

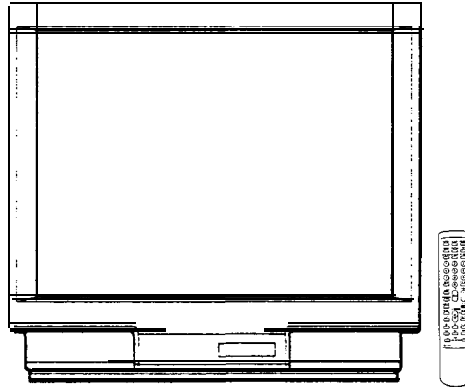
KV-32TS35

RM-Y102

SERVICE MANUAL

US Model
Chassis No. SCC-E54H-A

Canadian Model
Chassis No. SCC-E65E-A



LN-1 CHASSIS

MODELS OF THE SAME SERIES

KV-27TS35	
KV-27TS27/27TS31	
KV-27TW75/27TW76	

SPECIFICATIONS

Television system American TV standards

Channel coverage VHF: 2 – 13
UHF: 14 – 69
Cable TV: 1 – 125

Picture tube Microblack™ Trinitron® tube
27-inch picture measured diagonally
28-inch picture tube measured diagonally

Antenna 75-ohm external antenna terminal for VHF/UHF

Input VIDEO and S VIDEO
S VIDEO IN (S terminal)
Y: 1 Vp-p, 75-ohms
unbalanced, sync negative
C: 0.286 Vp-p (Burst signal), 75-ohms
Video (phono jacks): 1 Vp-p, 75-ohms unbalanced, sync negative
Audio (phono jacks): 500 mVrms (100% modulation)
Impedance: 47 kilohms
output AUDIO OUT (VARIABLE) (phono jacks)
More than 408 mVrms at the maximum volume setting (variable)
Impedance: 5 kilohms

Speaker output 5 W x 2

Power requirements 120 V AC, 60 Hz

Power consumption 170W
5W Standby mode

Dimensions (w / h / d) 660.5x602.5 x468 mm
(26 x 23¾ x 18 in.)

Weight 46 kg
(99 lbs 4 oz)

Supplied accessories

Remote commander RM-Y 102 (1) with 2 size AA (R6) EVEREADY batteries

Recommended accessories

U/V mixer EAC-66
Connecting cable
VMC-810/820S, YC-15 V/30 V, RK-74A

Design and specifications are subject to change without notice.



996479501

TRINITRON® COLOR TV
SONY®

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRTSHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK **Δ** ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS D'UN DEPARANAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA
SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MAPQUE **Δ** SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES CONTIENNENT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

SAFETY CHECK-OUT

(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a coldwater pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watt trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line; the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

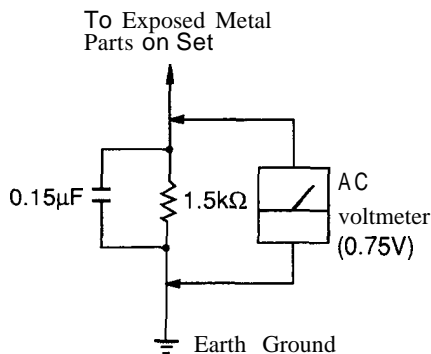


Fig A. Using an AC voltmeter to check AC leakage

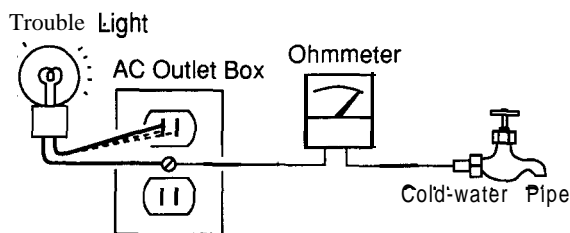


Fig. B. Checking for earth ground.

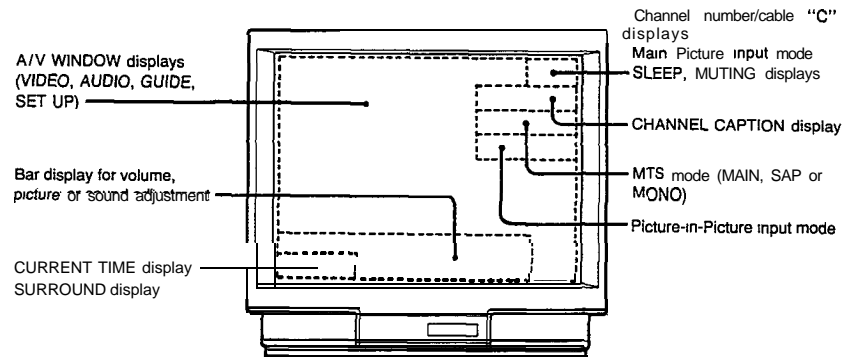
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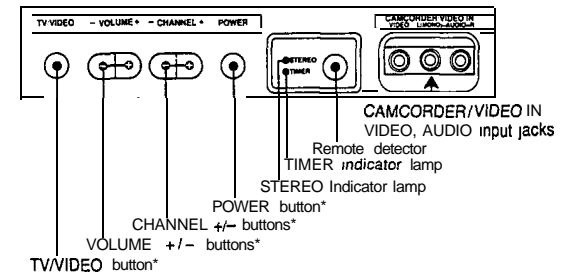
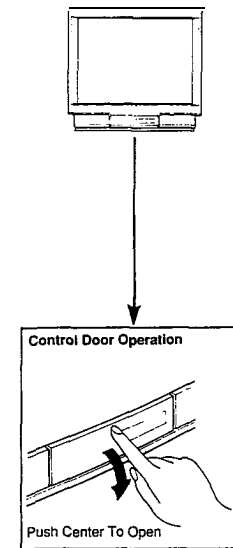
SECTION 1 GENERAL

I-1. LOCATING THE CONTROLS

Screen Displays

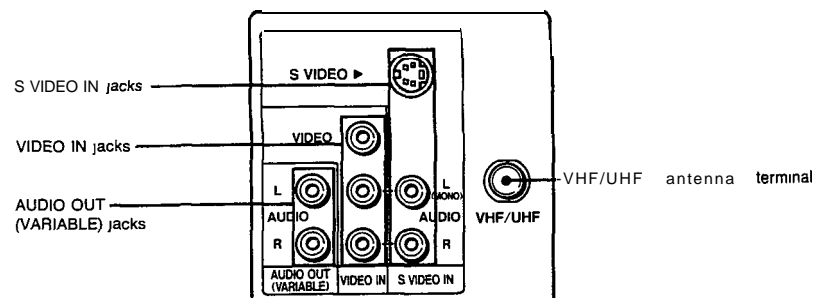


Front Panel

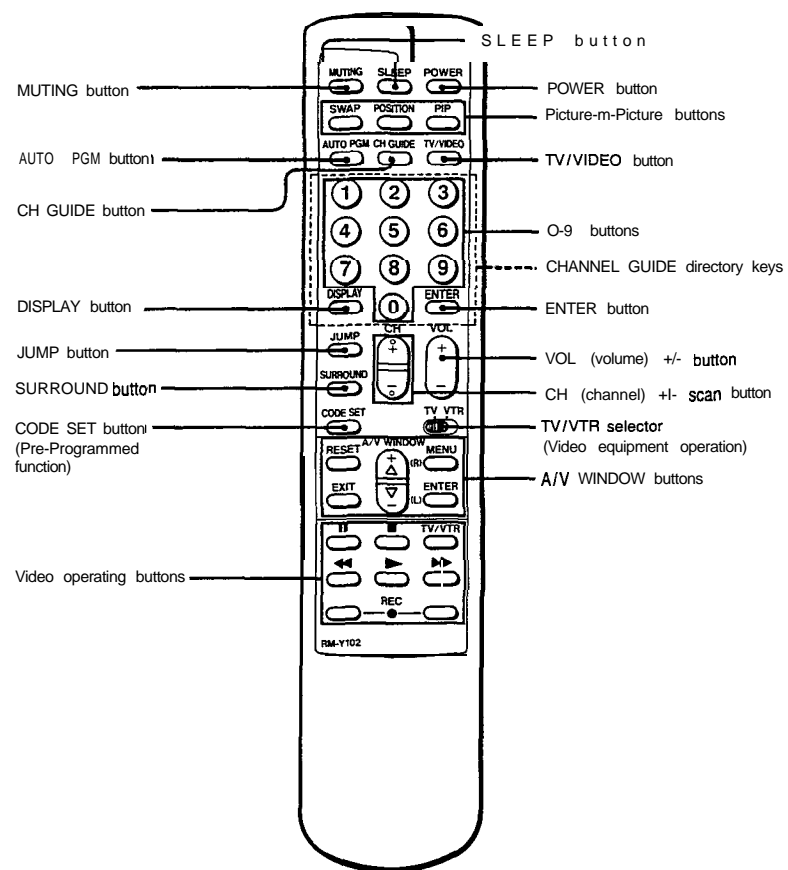


*Buttons with the same function are also located on the Remote Commander.

Rear Panel



Remote Commander

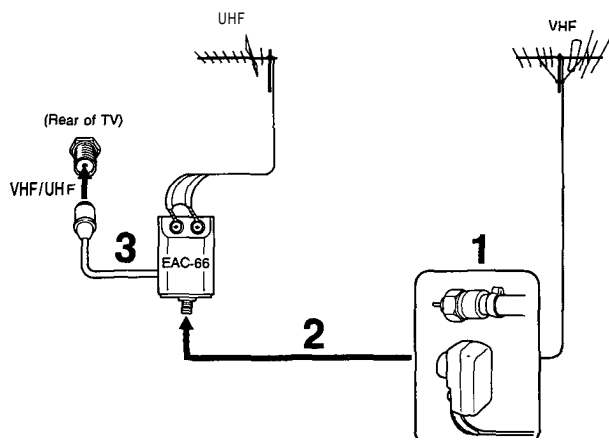


1-2. CONNECTING TV ANTENNA/CABLE

Connecting both VHF and UHF antennas

Use the EAG66 U/V mixer (not supplied).

- 1 Prepare the VHF antenna end using the appropriate connector (p. 12)
- 2 Connect the cables to the mixer.
- 3 Attach the mixer to the VHF/UHF terminal.



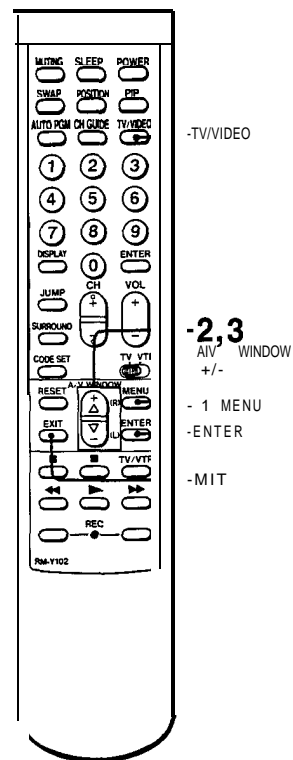
When the U/V mixer is used

Snow and noise may appear in the pictures of the cable TV channels over 37 (W+1)

1-3. TURNING THE CABLE MODE ON OR OFF

All of the controls are on the Remote Commander.

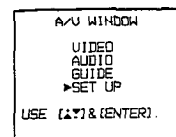
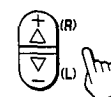
If you have cable connected to your TV, follow the steps below to turn the cable connection on or off. Cable mode is preset to ON when you use your N for the first time; turn cable OFF to preset or watch VHF or UHF channels.



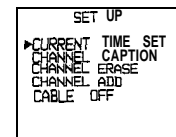
- 1 Press MENU to display the following screen.



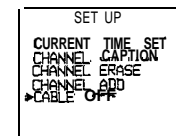
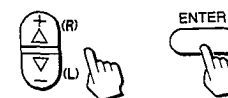
- 2 Press the +/- button to select SET UP



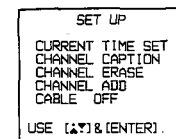
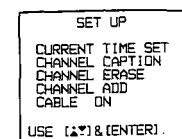
Press ENTER.



- 3 Press +/- button and ENTER to select CABLE.



Press the +/- button and ENTER to select ON or OFF alternately.

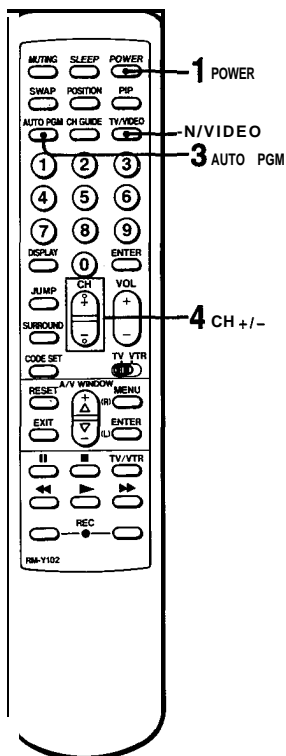
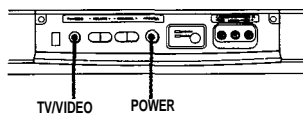


To return to TV mode.
Press EXIT.

Notes

- You cannot set CABLE ON / OFF while the TV is in VIDEO mode. Before setting, select TV mode by pressing TV/VIDEO.
- The menu will be cancelled automatically after 10 seconds if you do not push any buttons during that time.

14. PRESETTING TV CHANNELS



1 Press POWER on the TV or the Remote Commander to turn the TV on.

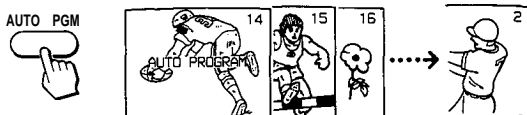


2 Turn the cable connection on or off, depending on if you want to preset cable or VHF/UHF channels.

(FOLLOW THE STEPS ON P 14)

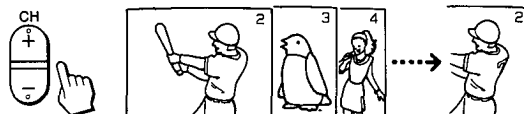
If "VIDEO" or "S VIDEO" is displayed on the screen, press the N/VIDEO button on the TV or the Remote Commander so that a channel number appears.

3 Press AUTO PGM.



"AUTO PROGRAM" is displayed on the screen and receivable channels (other than the channels already preset) will be preset in numerical sequence. The channels previously preset remain in the TV's memory. When no more channels can be found, the programming stops and the lowest numbered channel is displayed.

4 Press CH +/- to check or view preset channels.



Channels that can be received on this TV:

VHF 2 — 13
UHF 14 — 69
Cable: 1 — 125

To erase unnecessary channels, or to add channels that could not be preset automatically because their signal strength was too weak, follow the steps in "Erasing Unnecessary Channels" and "Presetting Only Deselected Channels"

Erasing Unnecessary Channels — CHANNEL ERASE

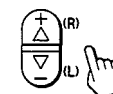
Use this feature to erase non-receiving channels from the channel scan memory.

Note
You cannot use CHANNEL ERASE while the TV is in VIDEO mode. Before erasing channels, select N mode by pressing N/VIDEO.

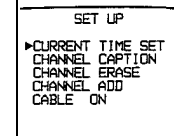
1 Press MENU to display the following screen.



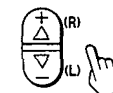
2 Press the +/- button to select SET UP.



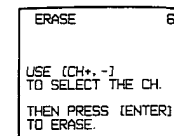
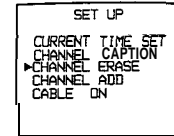
Press ENTER.



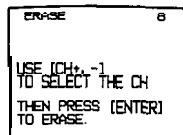
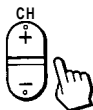
3 Press the +/- button to select CHANNEL ERASE.



Press ENTER.

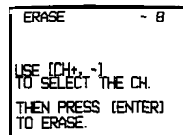


4 Press the CH +/- button to select the channel you want to erase.



Press ENTER.

A "-" appears before the channel number, showing that the channel has been erased from the channel scan memory.



The next time you press the CH +/- buttons, channel 8 will be skipped. Repeat step 4 to erase other channels.

To return to TV mode
Press EXIT.

Note

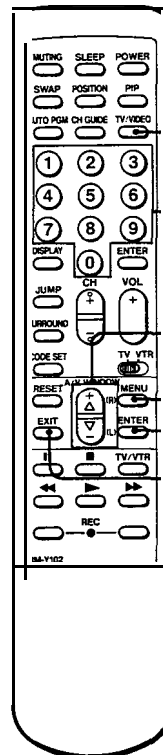
When you erase a VHF or UHF channel, the cable N channel with the same number is also erased, and vice versa.

Cable N channel chart*

Cable N systems use letters or numbers to designate channels. To tune in a channel, refer to the chart below.

Number on this TV	Corresponding cable TV channel
1	A-8
5	A-7
6	A-6
14	A
15	B
16	C
17	D
18	E
19	F
20	G
21	H
22	I
23	J
24	K
25	L
26	M
27	N
28	O
29	P
30	Q
31	R
32	S
33	T
34	U
35	V
36	W
37	W + 1
38	W + 2
39	W + 3
40	W + 4
41	W + 5
42	W + 6
43	W + 7
44	W + 8
45	W + 9
46	W + 10
47	W + 11
48	W + 12
49	W + 13
50	W + 14
51	W + 15
52	W + 16
53	W + 17
54	W + 18
55	W + 19
56	W + 20
57	W + 21
58	W + 22
59	W + 23
60	W + 24
61	W + 25
62	W + 26
63	W + 27
64	W + 28
65	W + 29
66	W + 30
67	W + 31
68	W + 32
69	W + 33
70	W + 34
71	W + 35
72	W + 36
73	W + 37
74	W + 38
75	W + 39
76	W + 40
77	W + 41
78	W + 42
79	W + 43
80	W + 44
81	W + 45
82	W + 46
83	W + 47
84	W + 48
85	W + 49
86	W + 50
87	W + 51
88	W + 52
89	W + 53
90	W + 54
91	W + 55
92	W + 56
93	W + 57
94	W + 58
95	W + 59
96	W + 60
97	W + 61
98	W + 62
99	W + 63
100	W + 64
101	W + 65
102	W + 66
103	W + 67
104	W + 68
105	W + 69
106	W + 70
107	W + 71
108	W + 72
109	W + 73
110	W + 74
111	W + 75
112	W + 76
113	W + 77
114	W + 78
115	W + 79
116	W + 80
117	W + 81
118	W + 82
119	W + 83
120	W + 84
121	W + 85
122	W + 86
123	W + 87
124	W + 88
125	W + 89

* This designation of cable N channels conforms to the EIA/NCTA recommendation.
Check with your local cable N company for more complete information on the available channels.



N/VIDEO

0-9 buttons

A/V WINDOW +/-

MENU

ENTER

EXIT

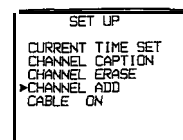
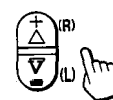
Use this feature to add channels one by one to the channel scan memory.

Note

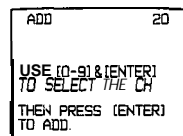
You cannot use CHANNEL ADD while the N is in VIDEO mode. Before adding channels, select N mode by pressing N/VIDEO.

1-2 (FOLLOW STEPS 1 & 2 ON)

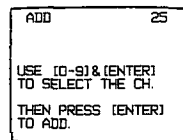
2 Press the +/- button to select CHANNEL ADD.



Press ENTER.

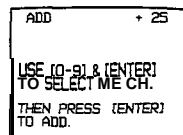


4 Press the 0-9 buttons to select the channel you want to add. For example, to add channel 25, press 2, 5 and ENTER.



Press ENTER again.

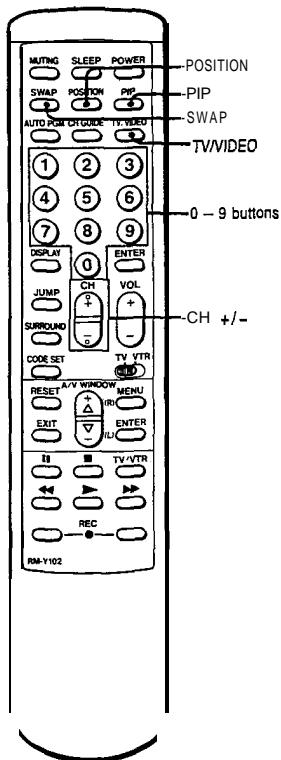
A "+" appears before the channel number, showing that the channel has been added to the channel scan memory.



Repeat step 4 to add other channels.

To return to TV mode
Press EXIT.

1-5. USING PICTURE-IN-PICTURE



With this feature, you can watch both the **main picture** and a **video** source simultaneously, by means of a **window picture**.

For example, Use Picture-in-Picture when you want to watch a TV program and a **video** source from connected **equipment** (VCR, video disc player, etc.) at the same time.

If you connect a VCR, you can watch two different TV programs at the **same** time.

Displaying a window picture — PIP

Press PIP



Input source mode or **N** channel for the **main picture** (display is green)

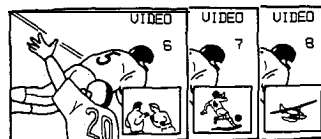
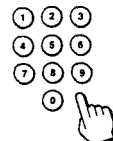
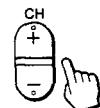


Input source mode or **N** channel for the **window picture** (display is white)

A window picture will appear in the same input mode as the last time you used PIP

Scanning channels in the window picture

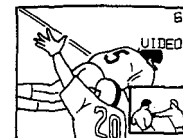
Press CH + / - or the 0 - 9 buttons and ENTER.



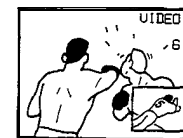
To make the window picture disappear
Press PIP again.

Swapping the main and window pictures — SWAP

1 Press PIP to display a window picture.

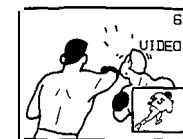


2 Press SWAP

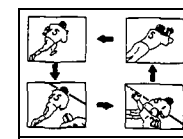


Changing the position of the window picture — POSITION

1 Press PIP to display a window picture.



2 Press POSITION.
Each time you press POSITION, the window picture will move counterclockwise on the screen, as illustrated below.

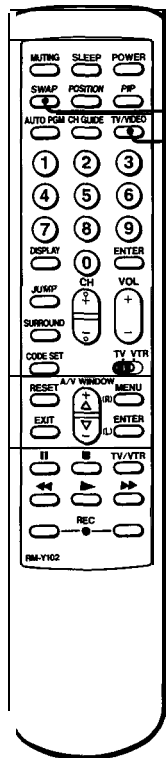


To change the **input** mode of the window picture

1 Press TV/VIDEO to change the **input mode** of the **main picture**.
(Selects TV, VIDEO, S VIDEO in sequence)
2 Press SWAP to swap the **main picture** with the window picture.

Notes

- You cannot hear the sound of the window picture channel.
- If the **main picture** is blocked, the display "BLOCKED" will appear on the **main** screen, and Picture-in-Picture will not function.
- If the **main picture** is not receiving an image, the window picture will disappear. It will reappear when you switch to a receiving channel.
- When the **main picture** is black and white, depending on the **N** signal some window picture images may also be black and white.
- When you turn PIP on, or when you turn the TV on with PIP mode on, the window picture will appear at the bottom right of the screen.
- Depending on the condition of the **main picture's** signal, the window picture may be affected.



Displaying a VIDEO input image as a window picture

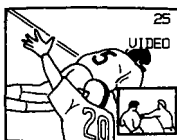
To watch VIDEO images (VCR playback or TV through a VCR tuner) using Picture-In-Picture, first select a program mode (cable or VHF/UHF), by following the steps, "Turning the Cable Connection On or Off." Then follow the steps below.

- 1 Press TV/VIDEO to select the appropriate video input mode. (Selects TV, VIDEO and S VIDEO modes in sequence)



The video image from the input mode you select will appear as the main picture.

- 2 Press SWAP so that the video input picture becomes a window picture.



- 3 Press SWAP again to change the video input picture back to the main picture.



You can only change VIDEO input modes of the main picture.

Note

To operate your VCR with the supplied Remote Commander, — "Using the Remote Commander."

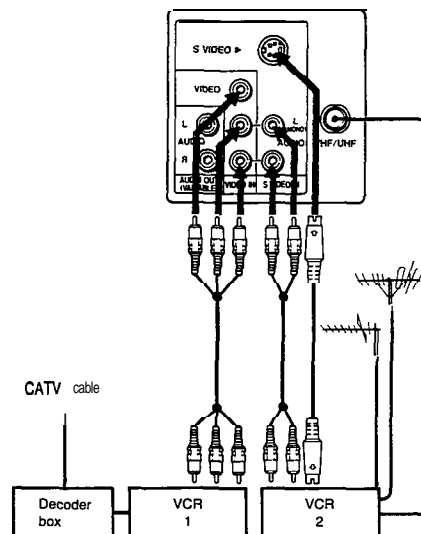
Displaying pay cable TV as a window picture

In order to use Picture-m-Picture with pay cable TV Images, make sure the connections are made as illustrated below. Select cable mode by following the steps, "Turning the Cable Connection On or Off." Then follow the steps below.

- 1-3 Follow steps 1 - 3 in "To display a VIDEO input image as a window picture".

- 4 Put your VCR on an inactive channel (CH 3 or 4).

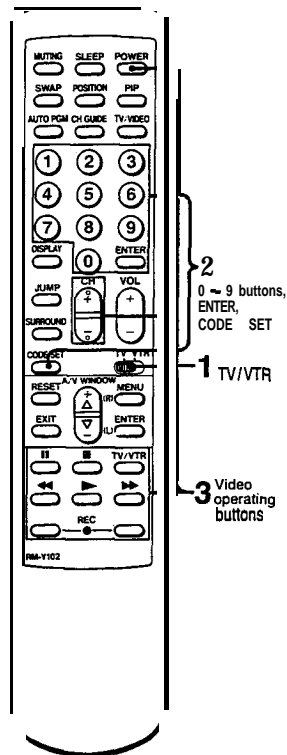
- 5 Change pay cable TV channels with the decoder box.



1-6. USING THE PRE-PROGRAMMED REMOTE COMMANDER

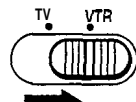
You can operate other video equipment that has an infrared remote detector with this supplied Pre-Programmed Remote Commander.

Operating Sony or non-Sony Video Equipment — Pre-Programmed Function



With the supplied Remote Commander, you can operate a Sony video cassette recorder (Beta, 8mm, VHS) or multi disc player as well as most non-Sony video equipment connected to your TV by following the steps below.

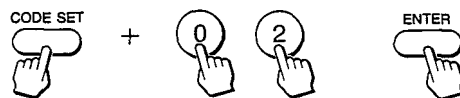
1 Set the TV/VTR selector to VTR.



Note

When the selector is set to VTR, the POWER and CH +/- buttons on the Remote Commander function as video operating buttons and cannot be used to operate the TV.

2 While pressing CODE SET, press the 0-9 buttons to enter the manufacturer's code number. For example, to operate a Sony 8 mm VCR, press 0, 2 and ENTER.



3 Use the video operating buttons on the Remote Commander to operate the video equipment.

operating a VCR

To turn on or off Press POWER
To change channels (when watching TV programs through the VCR's tuner) Press CH +/-

To record Press ● (2 buttons simultaneously).
To play Press ▶
To stop Press ■
To fast forward Press ►►
To rewind the tape Press ◄◄
To pause Press II.
To search the picture forward and backward Press ►► or ◄◄ during playback.

Operating a Video Disc Player

To play Press ▶
To stop Press ■.
To pause Press II.
To resume normal playback, press age, " .
● This function is effective only for CAV (standard-play disc). With CLV (extended-play disc), the TV will go into the standby mode if II is pressed.

To search the picture forward and backward Keep pressing ►► or ◄◄ during playback.
To resume normal playback, release the button.

Manufacturers and Code Numbers (VCR)

Manufacturer	Code number
SONY	01, 02, 03, 04
CANON	05
EMERSON	22, 30, 33
FISHER	10, 11, 12, 15
FUNAI	29
GENERAL ELECTRIC	05, 06
GOLDSTAR	25
HITACHI	07, 08
JVC	16
MAGNAVOX	05, 06, 09
DAEWOO	18, 19, 26, 27
MITSUBISHI	29
MULTITECH	16, 23, 31
NEC	05, 06
PANASONIC	05, 06
PHILCO	05, 06
PHILIPS	05, 06, 09
OUASAR	05, 06
RCA	07, 08
SAMSUNG	24, 32
SANYO	11, 15
SCOTT	21
SHARP	13, 14
SHINTOM	34
SYLVANIA	05, 06, 09
SYMPHONIC	29
TEKNIKA	26, 29
TOSHIBA	20, 21
TOTE-VISION	25
ZENITH	17

The code numbers for Sony equipment are assigned as follows:

01	Beta, ED Beta VCR
02	8mm VCR
03	VHS VCR
04	Video disc player

For your convenience

Write the manufacturer name and code number for your equipment onto one of the supplied self-adhesive labels and affix to the Remote Commander for easy reference.

BRAND	CODE
1	
2	
3	

Notes

- If more than one code number is listed for manufacturers other than Sony, try entering them one by one until you come to the correct code for your equipment.
- If the video equipment does not have a certain function, the corresponding button on this Remote Commander will not operate.

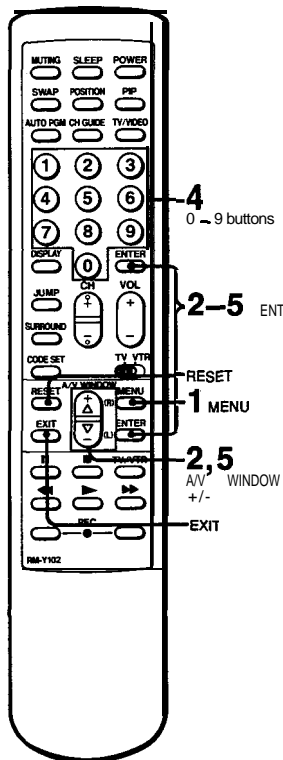
Note

In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied Remote Commander. This is because your equipment may use a code that is not provided with this Remote Commander. In this case, please use the equipment's own remote control unit.

CAUTION

When you remove the batteries from the Remote Commander, all the settings will revert to the Sony Beta setting. Reset the codes by following the steps on p. 30.

1-7. SETTING THE CURRENT TIME



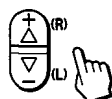
Set the current time before **using** the Timer-activated functions from the GUIDE menu.

1 Press MENU to display the following screen.



A/V WINDOW
VIDEO
AUDIO
GUIDE
SET UP
USE [▲▼] & [ENTER].

2 Press the +/- button to select SET UP



A/V WINDOW
VIDEO
AUDIO
GUIDE
SET UP
USE [▲▼] & [ENTER]

Press ENTER.

CURRENT TIME SET is already selected for you.



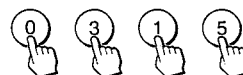
SET UP
CURRENT TIME SET
CHANNEL CAPTION
CHANNEL ERASE
CHANNEL ADD
CABLE - ON

3 Press ENTER.



CURRENT TIME SET
--:--AM
SET THE TIME
USE [0-9] & [ENTER]

4 Press the 0-9 buttons and ENTER to enter the current time. For **example**, to set the time at 3:15, press 0, 3, 1, 5. (You must press 4 digits.)



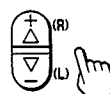
CURRENT TIME SET
03:15AM
SET THE TIME
USE [0-9] & [ENTER].

Press ENTER.



CURRENT TIME SET
3:15AM
SET AM OR PM
USE [▲▼] & [ENTER].

5 Press the +/- button, to select AM or PM alternately.



CURRENT TIME SET
3:15AM
SET AM OR PM
USE [▲▼] & [ENTER].



CURRENT TIME SET
3:15PM
SET AM OR PM
USE [▲▼] & [ENTER].

Press ENTER.



CURRENT TIME SET
3:15PM
CURRENT TIME
IS SET.

To clear the time setting
Press RESET.

To **reset** the time
Press RESET while in the CURRENT TIME
screen. an* repeat steps 4 and 5.

To display the **time**
Set TIME DISPLAY ON/OFF.

To return to **N** mode
Press EXIT.

Notes

* The internal clock of this **N** operates on a 12-hour cycle. If a 24-hour cycle number (for instance, 13:00) is entered, it will be cleared when you press ENTER.

12:00 AM stands for midnight.
12:00 PM stands for noon.

* All the settings including TIME SET will be erased if you unplug the TV, or if a power failure occurs. Reset the current time by following steps 1-5.

1-8. USING THE TIMER-ACTIVATED FUNCTIONS-GUIDE

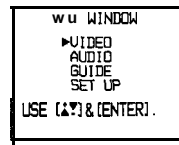
Using the GUIDE feature, you can call up a on-screen me™ giving instructions on how to use the timer-activated functions: ON/OFF TIMER, CHANNEL BLOCK, AND TIME DISPLAY ON/OFF

Setting the ON/OFF TIMER

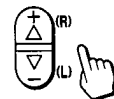
With this function you can set your favorite program to appear on the screen at the time that you set.

EXAMPLE: Set the timer to turn on the TV to channel 21 at 3:15 PM, for 2 hours.

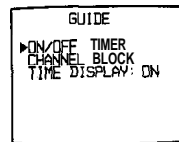
1 Press **MENU** to display the following screen



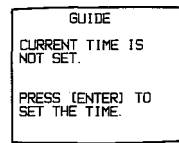
2 Press the **+/-** button to select GUIDE.



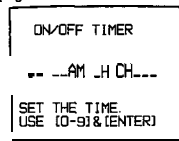
Press **ENTER**.
ON/OFF TIMER is already selected for you.



3 Press **ENTER**.

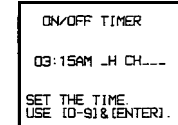


If this screen appears, follow steps 3 - 5 on pp. 32 - 33. Then begin again from step 1 on this page.

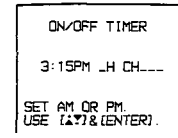


If this screen appears, continue from step 4 on the next page.

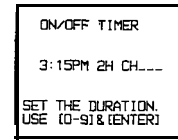
4 Set the time that you want the TIMER to start by pressing 0 - 9 (you must press 4 digits) and **ENTER**.



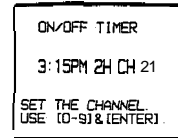
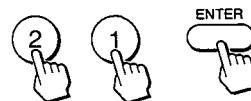
5 Select AM or PM by pressing the **+/-** buttons. and press **ENTER**.



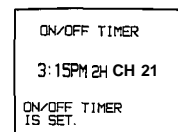
6 Set the duration of time that you want the TV to remain on. by pressing 1 - 9 and **ENTER**.



7 Set the channel that you want the TV to turn on to, by pressing 0 - 9 and **ENTER**.



The following screen will appear, showing that the TIMER has been set.

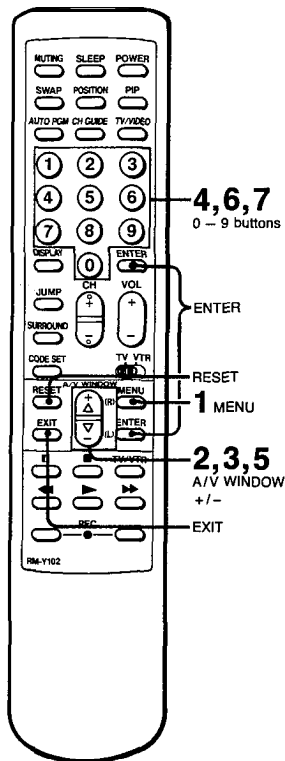


To clear the ON/OFF TIMER setting Press **RESET**.

To **return** to N mode Press **EXIT**.

Notes

- While the TIMER is set, the TIMER indicator lamp on the TV will be lit.
- One minute before the timer goes off, the "TV WILL TURN OFF" display will appear on the screen.
- If you have not set the clock correctly, the ON/OFF TIMER will not operate. "Setting the CURRENT TIME" to set the clock.
- The TIMER setting will be erased if you unplug the TV, or if a power failure occurs. Repeat steps 1 - 7 to reset the TIMER.



Setting CHANNEL BLOCK

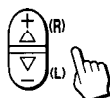
Use this function to block a channel from appearing on the screen during the preset time, for instance, to prevent children from watching undesirable programs.

EXAMPLE: Set CHANNEL BLOCK at 8:45 PM, for one hour, on channel 38.

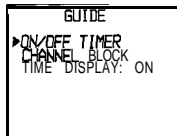
1 Press MENU to display the following screen.



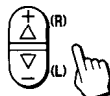
2 Press the +/- button to select GUIDE.



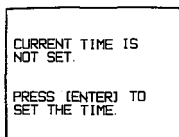
Press ENTER.



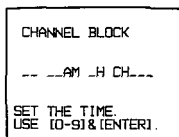
3 Press the +/- buttons to select CHANNEL BLOCK.



Press ENTER.

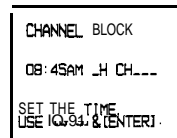


If this screen appears, follow steps 3 - 5. The begin again from step 1 on this page.

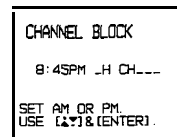
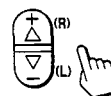


If this screen appears, proceed to step 4 on the next page.

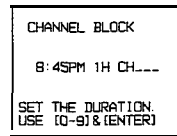
4 Set the time that you want CHANNEL BLOCK to start by pressing 0 - 9 (you must press 4 digit) and ENTER.



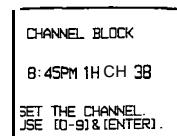
5 Select AM or PM by pressing the +/- button, and press ENTER.



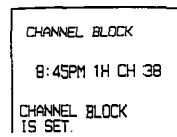
6 Set the duration of time that you want the N to remain blocked (up to 9 hours), by pressing 1 - 9 and ENTER.



7 Set the channel that you want to block, by pressing 0 - 9 and ENTER.



The following screen will appear, showing that CHANNEL BLOCK has been set.



If you select a channel which has been blocked, the BLOCKED screen will appear.

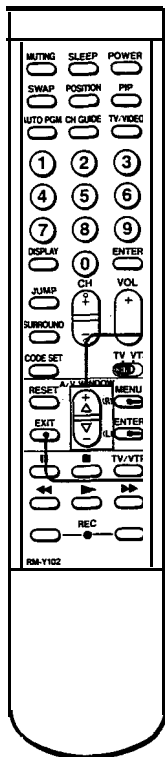


To clear the BLOCK setting Press RESET.

To return to TV mode Press EXIT.

Notes

- If you set a new CHANNEL BLOCK by following steps 1 - 7, the original setting will be erased.
- If you have not set the clock correctly, CHANNEL BLOCK will not operate. Setting the 'CURRENT TIME' to set the clock.



2,3,4
WINDOW
+/-
-1 MENU
-ENTER
-EXIT

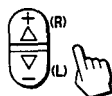
Setting the **TIME DISPLAY**

1 Press MENU to display the following screen.



A/V WINDOW
VIDEO
AUDIO
GUIDE
SET UP
USE [Δ▽] & [ENTER].

2 Press the +/- button to select GUIDE.



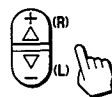
A/V WINDOW
VIDEO
AUDIO
GUIDE
SET UP
USE [Δ▽] & [ENTER].

Press ENTER.



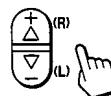
GUIDE
ON/OFF TIMER
CHANNEL BLOCK
TIME DISPLAY: ON

3 Press the +/- button and ENTER to select TIME DISPLAY.



GUIDE
ON/OFF TIMER
CHANNEL BLOCK
TIME DISPLAY: ON

4 Press the +/- button to select ON or OFF alternately.
(Display is red)



GUIDE
ON/OFF TIMER
CHANNEL BLOCK
TIME DISPLAY: OFF
USE [Δ▽] & [ENTER].

Press ENTER.

The display will turn green, showing that the mode has been set.



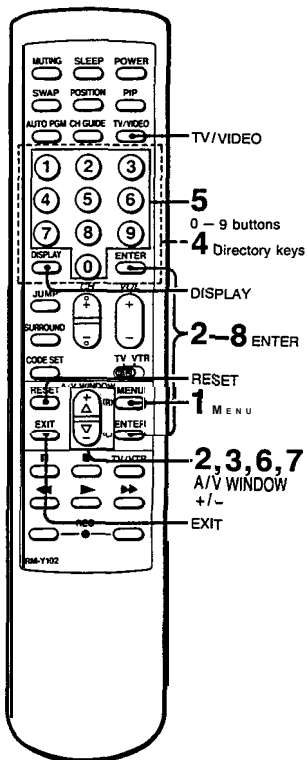
GUIDE
ON/OFF TIMER
CHANNEL BLOCK
TIME DISPLAY: ON

To **return to N mode**
Press EXIT.

Notes

- when TIME DISPLAY is set to ON, the time will remain on the screen.
- The menu screens will be cancelled automatically after 10 seconds if you do not push any buttons during that time.

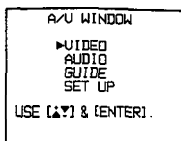
1-9. USING CHANNEL CAPTION



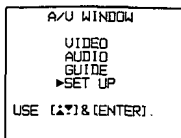
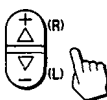
Captioning the channel display CHANNEL CAPTION

Use this feature to caption up to 12 channel number displays with the matching channel call letters. For example, caption channel 20 with ESPN.

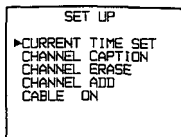
1 Press MENU to display the following screen.



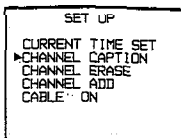
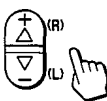
2 Press the +/- button to select SET UP



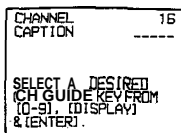
Press ENTER.



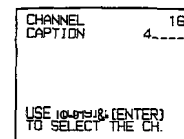
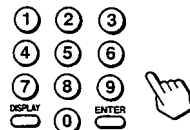
3 Press the +/- button to select CHANNEL CAPTION.



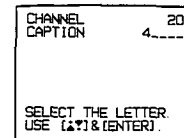
Press ENTER.



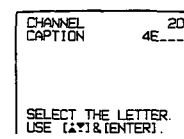
4 Enter a directory (CHANNEL GUIDE) number for the caption by pressing one of the directory keys. For example, to set caption number 4, press 4.



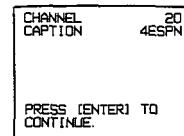
5 Select the channel you want to caption by pressing 0-9 and ENTER.



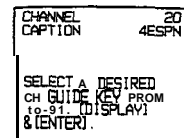
6 Select the first letter by pressing the +/- button and ENTER. Press + to advance alphabetically; press - to go back.



7 Select each remaining letter by repeating step 6. (For a 3-letter caption, leave a space by pressing ENTER only.)



8 To set the next caption, press ENTER again, and repeat the steps from step 4.

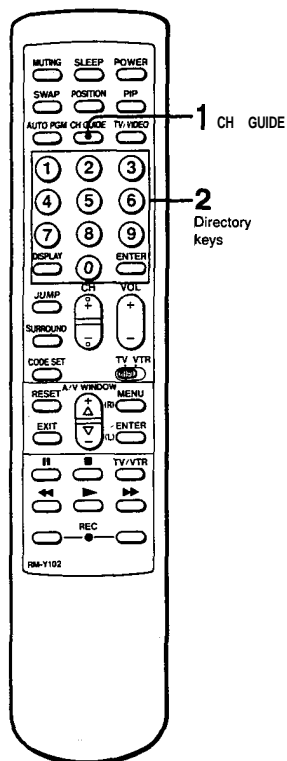


To erase unneeded captions
Call the caption setting screen by following steps 1-4, and press RESET.

To return to TV mode
Press EXIT.

Notes

- You cannot use CHANNEL CAPTION while the TV is in VIDEO or S VIDEO mode. Before setting captions, select TV mode by pressing TV/VIDEO.



Viewing the captioned channels — CHANNEL GUIDE

Use this feature to display the captions you have set, and to select a channel directly for viewing.

- 1 Press CH GUIDE.
A *directory* appears, corresponding to the directory keys on the Remote Commander.

CH GUIDE



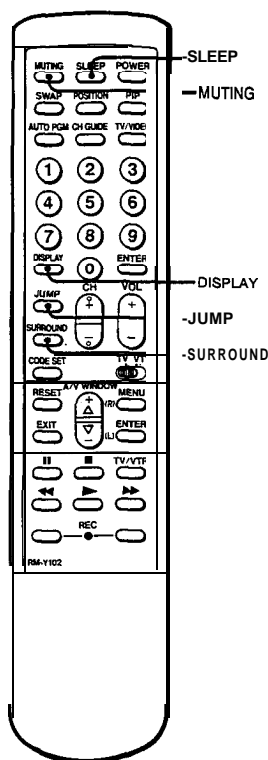
CHANNEL GUIDE			
1ABC	2DIS	3CNN	
4ESPN	5---	6---	
7---	8---	9---	
0---	---	E---	

To cancel the CHANNEL GUIDE screen
Press CH GUIDE again.

- 2 Press the directory key of the channel you want to watch.



1-10. ENJOYING OTHER USEFUL FEATURES



Muting the sound — MUTING

Press **MUTING**.
The display "MUTING" will appear on the screen.
To restore the sound
Press **MUTING** again, or press **VOL+**



Keeping the channel displayed — DISPLAY

To display the channel
Press **DISPLAY**.
All the current displays will appear for 3 seconds,
then disappear. The channel display will remain on
the screen.



To cancel the display
Press **DISPLAY** again.
The channel display will disappear.

Listening to surround sound — SURROUND

Gives sound reproduction with the atmosphere of a movie theater or a concert hall.

To set
Press **SURROUND**.
The display $\text{L} \Rightarrow \text{R}$ will appear on
the screen for a few seconds.

To cancel
Press **SURROUND** again.
The display $\text{L} \Rightarrow \text{R}$ will appear for a
few seconds.



Using the sleep timer — SLEEP

Turns TV off automatically about 1 hour after setting.
Press **SLEEP**

A green "SLEEP ON" display appears for a few seconds.
(A red "SLEEP" display will appear 1 minute before the TV shuts off.)
To cancel the setting
Press **SLEEP** again.

A green "SLEEP OFF" display appears for a few seconds.
OR
Turn the TV off.
The sleep timer setting will be cancelled.



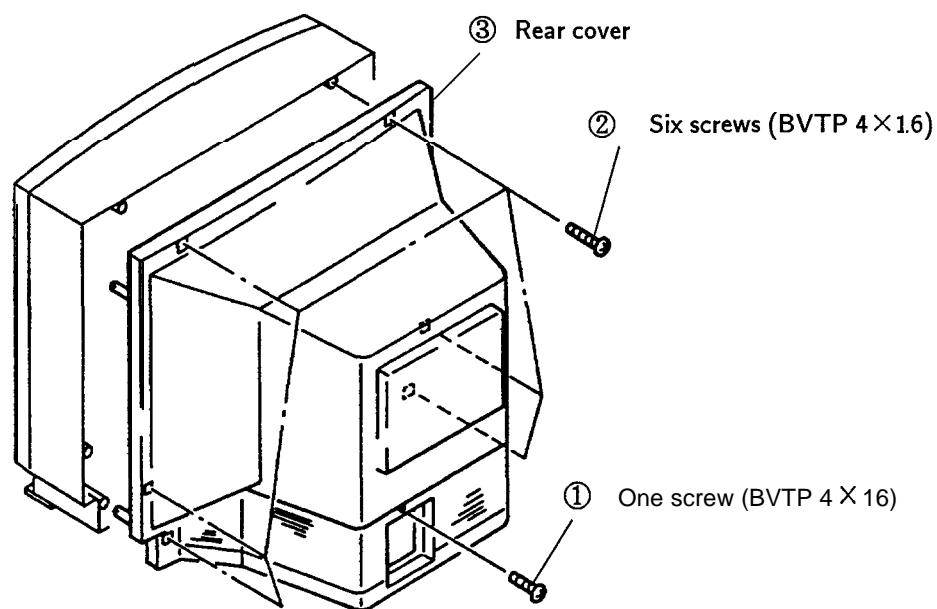
Switching quickly between 2 channels — JUMP

Press **JUMP** once to recall the channel
you were watching previously; press
JUMP again to switch back. Use this
feature to keep track of two programs
alternately.

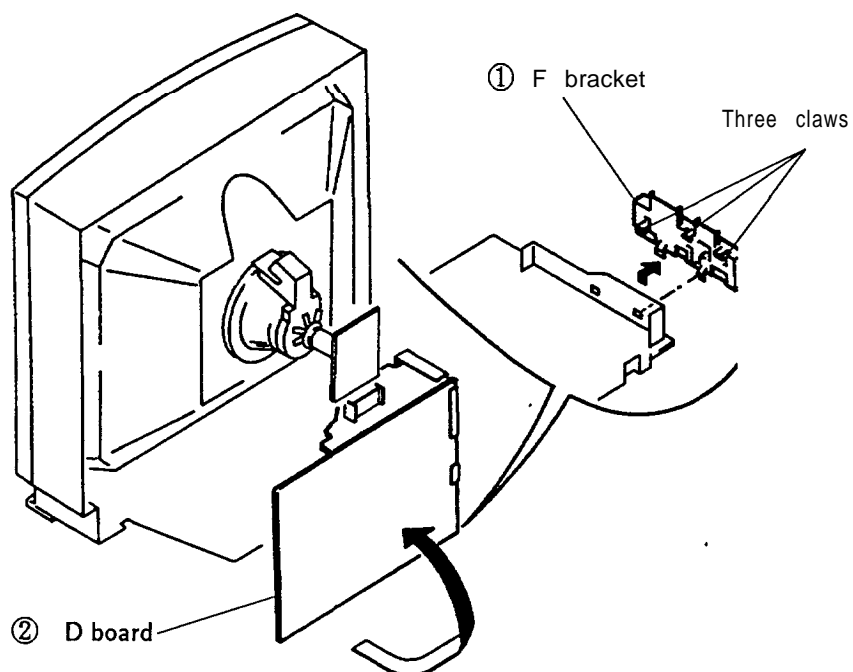


SECTION 2 DISASSEMBLY

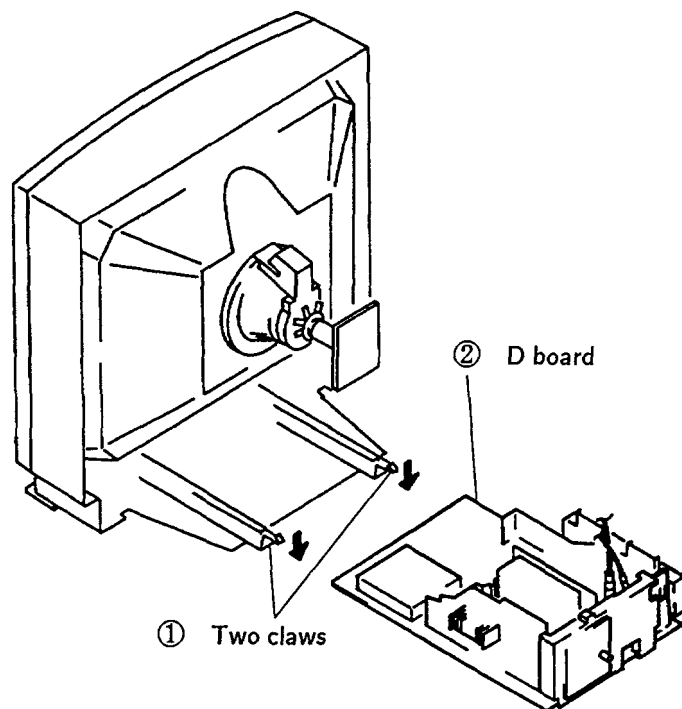
2-1. REAR COVER REMOVAL



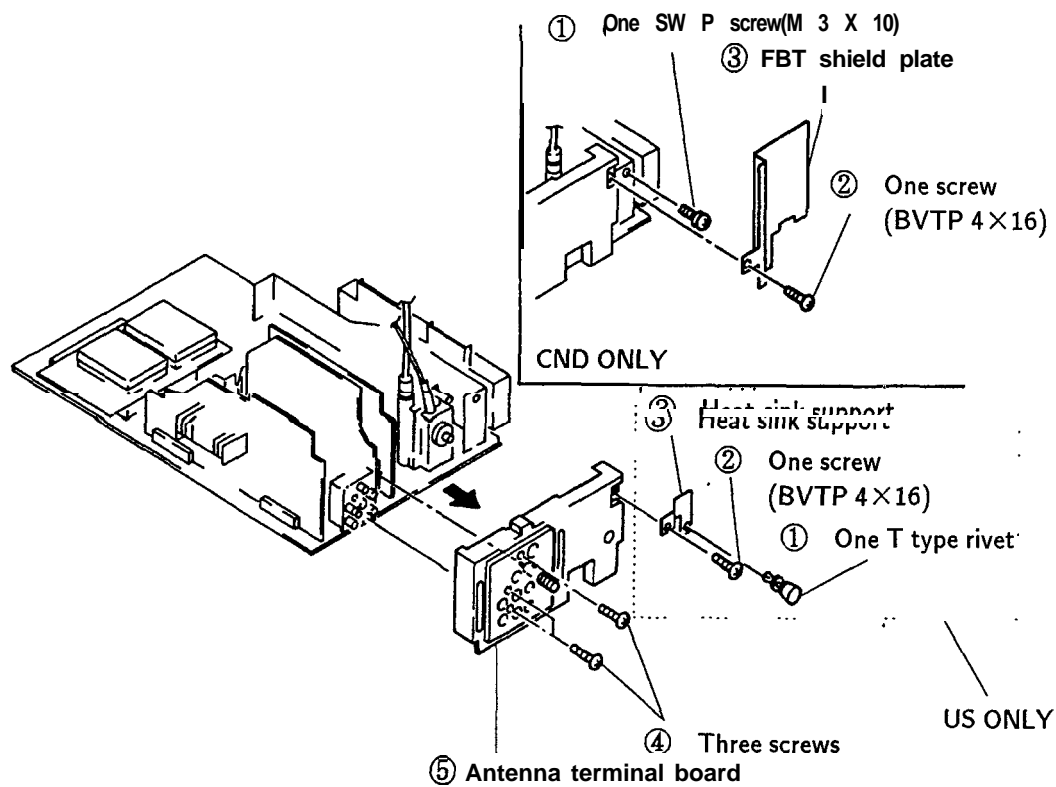
2-2. SERVICE POSITION



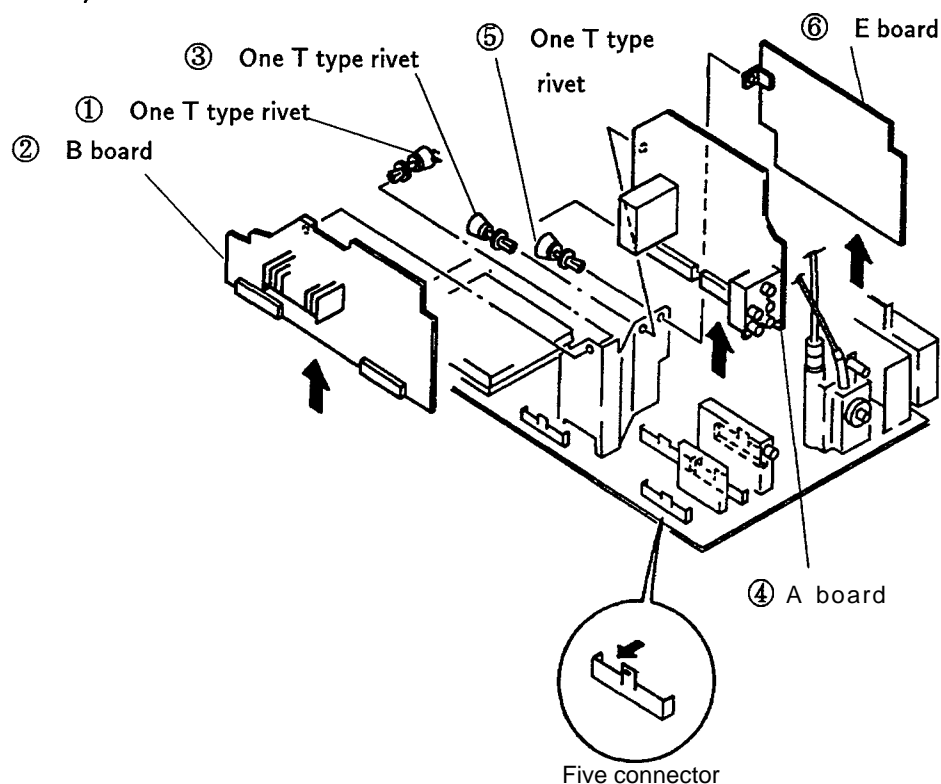
2-3. D BOARD REMOVAL



2-4. ANTENNA TERMINAL BOARD REMOVAL

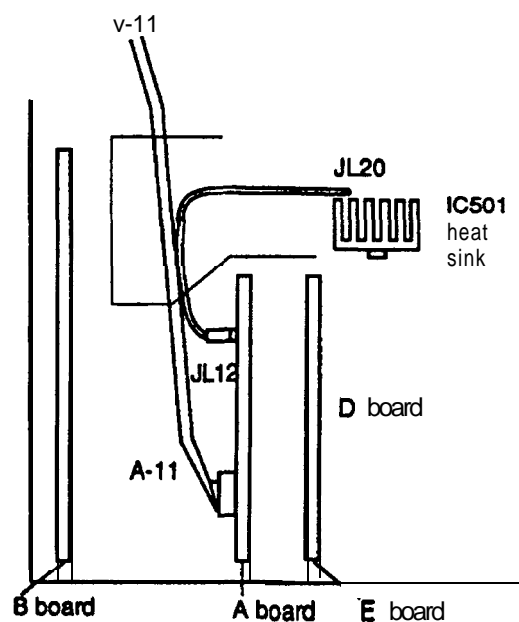


2-5. B,A AND E BOARDS REMOVAL



2-6. HOW TO IMPROVE INTERLACE

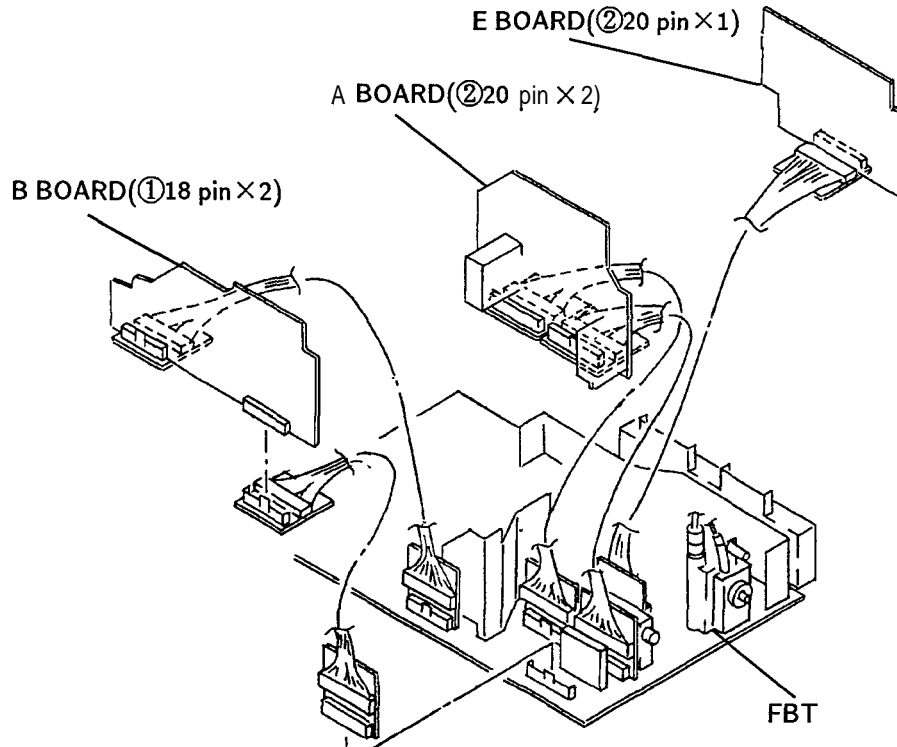
Fastening Jumper Connector Wire between JL 12(A board) and JL 20(D board).



Fasten the wire to eliminate slack between JL 20 and JL 12 with a purse lock.

2-7. B,A AND E BOARDS SERVICE POSITION

※ KEEP THE EXTENDED BOARDS FURTHER AWAY FROM FBT TO PREVENT INTERFERENCE.



EXTENSION CABLES FOR A,B AND E BOARD

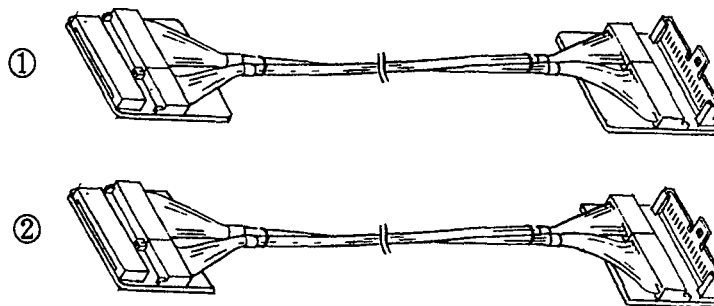
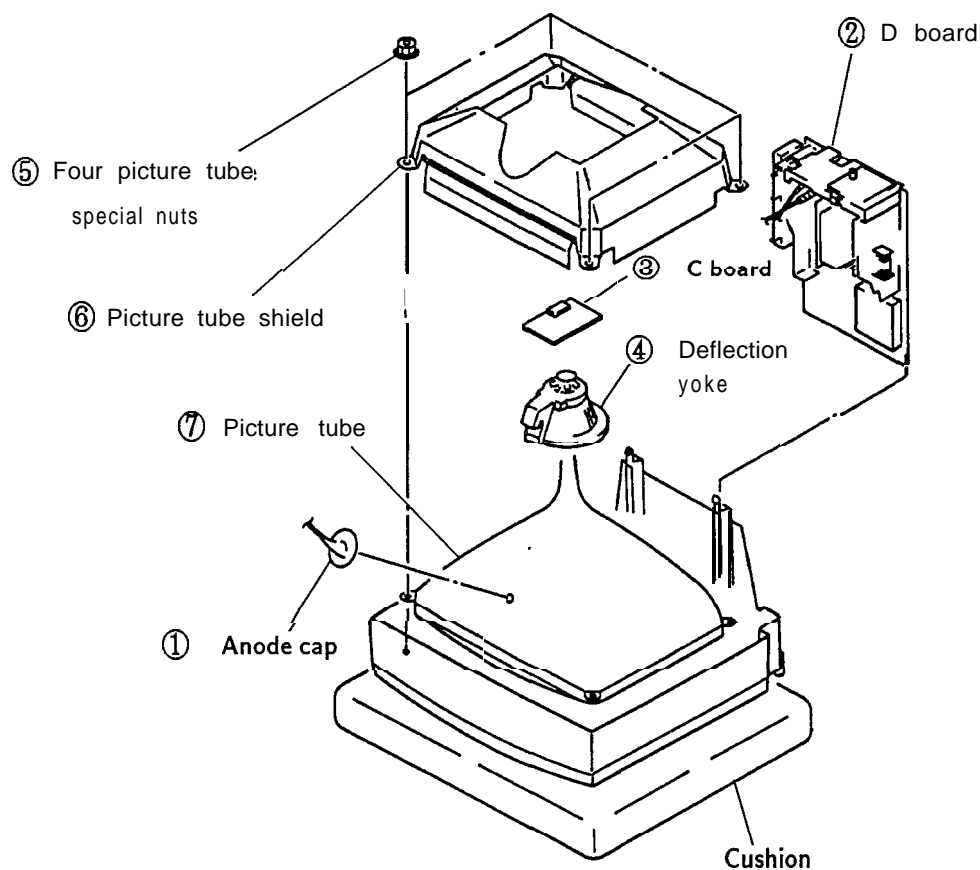


FIG	DISCLIPTION	QTY	USE FOR	PART NO
①	18 PIN-18 PIN(H I,H 2)	2	B BOARD	3-702-541-01
② 20	PIN-20 PIN(H 3,H 4)	2	A BOARD	3-702-542-01
		1	E BOARD	

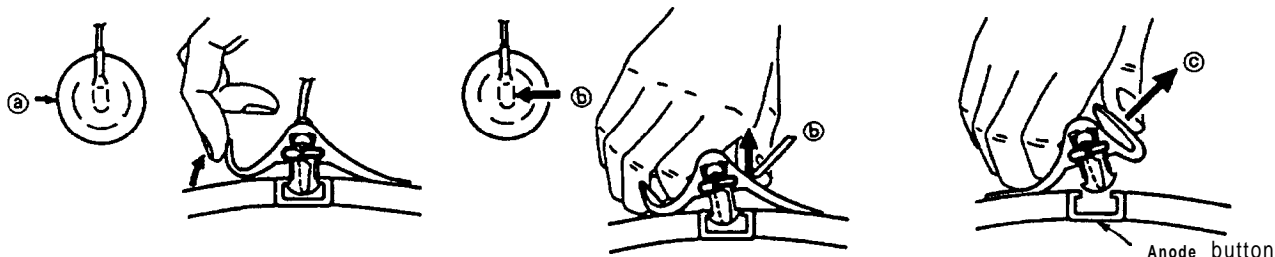
2-8. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES

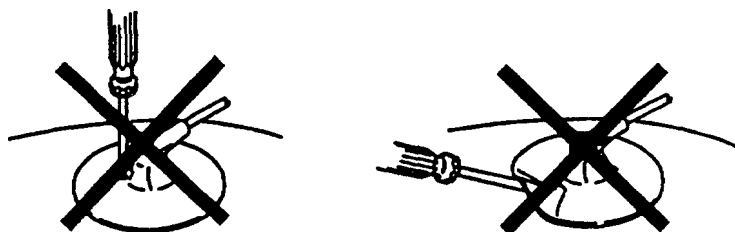


- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.

- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted :

PICTURE control RESET
BRIGHTNESS control center

Preparations :

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.
Contrast } normal
Brightness }
2. Set the pattern generator raster signal to red.
3. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.
(See Figures 3-1 through 3-3.)
4. Move the deflection yoke forward and adjust so that entire screen is red. (See Figure 3-1.)
5. Switch the raster signal to blue, then to green and verify the condition.
6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to adjust it.
(See Figure 3-4.)

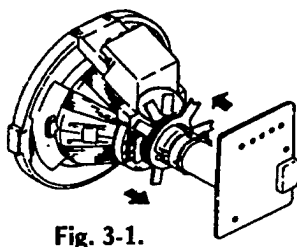


Fig. 3-1.

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

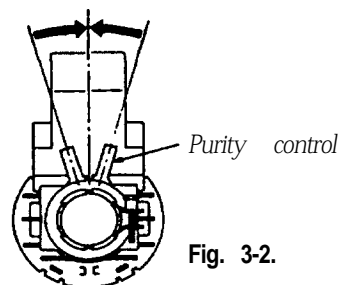


Fig. 3-2.

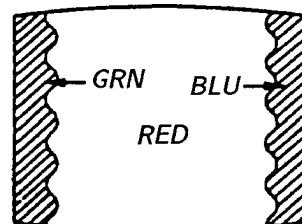


Fig. 3-3.

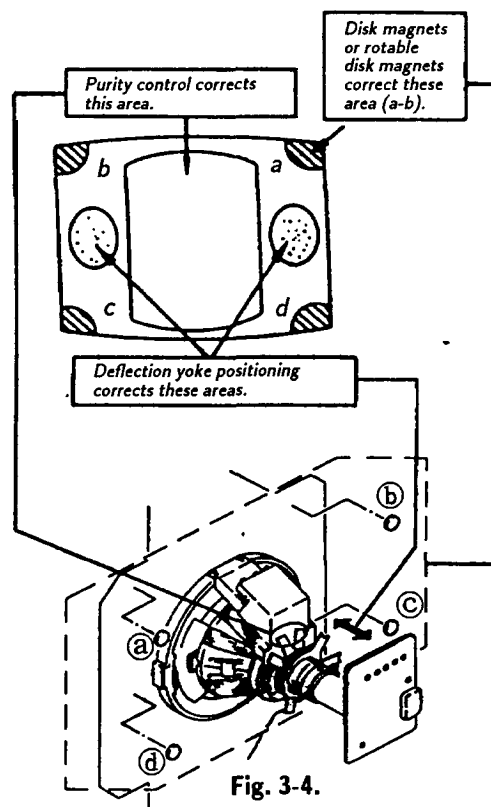


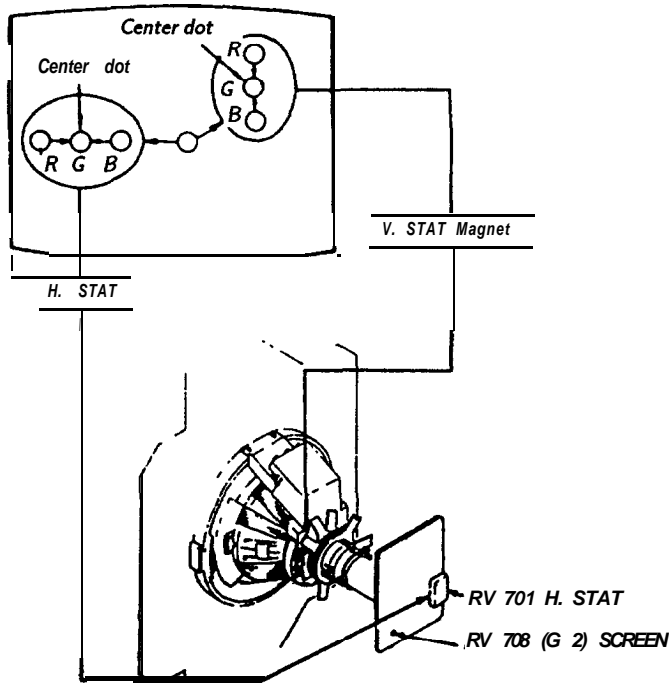
Fig. 3-4.

3-2. CONVERGENCE

Preparation :

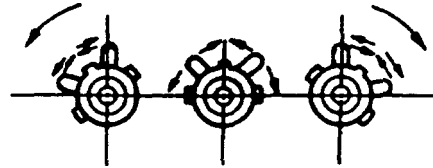
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and Vertical Static Convergence

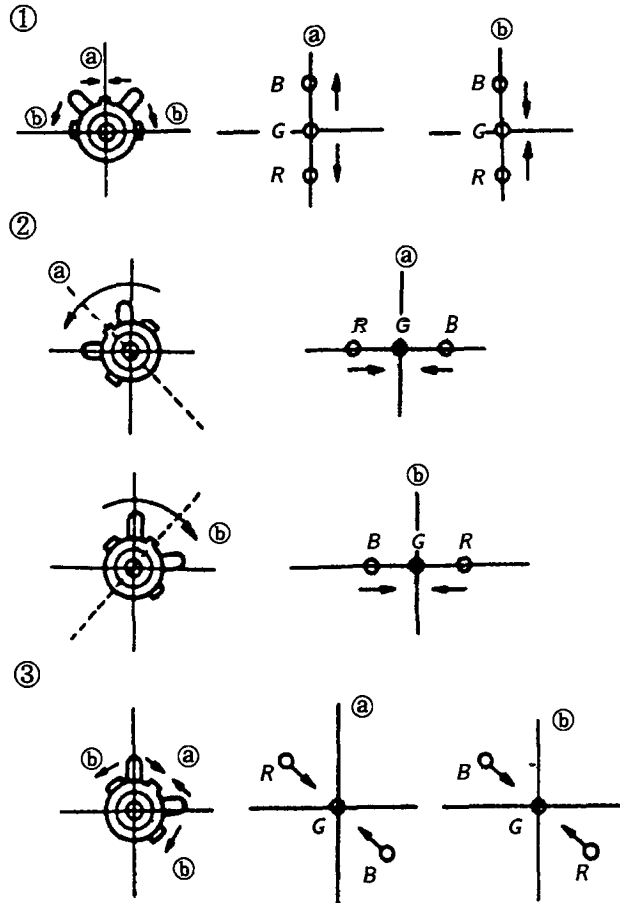


1. (Moving horizontally), adjust the **H. STAT** control so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the **V. STAT** magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. If the **H. STAT** variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the **H. STAT** variable resistor and the **V. STAT** magnet in the manner given below.
(In this case, the **H. STAT** variable resistor and the **V. STAT** magnet influence each other)

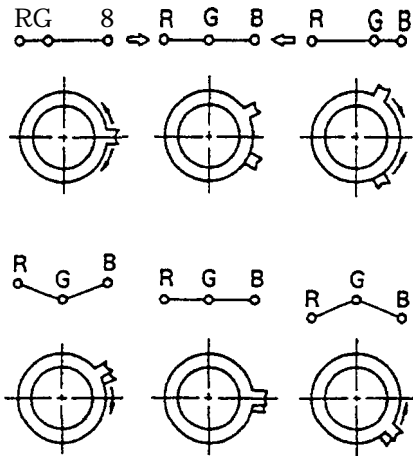
- Tilt the **V. STAT** magnet and adjust the static convergence by opening or closing the **V. STAT** magnet.



4. If the **V. STAT** magnet is moved in the direction of the **a** and **b** arrows, the red, green, and blue points move as shown below.

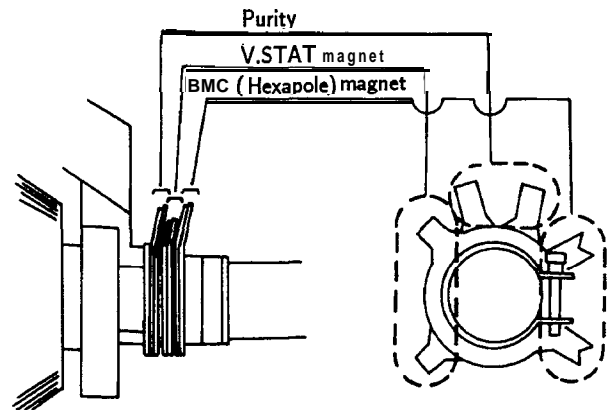


● Operation of BMC (Hexapole) Magnet



- The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

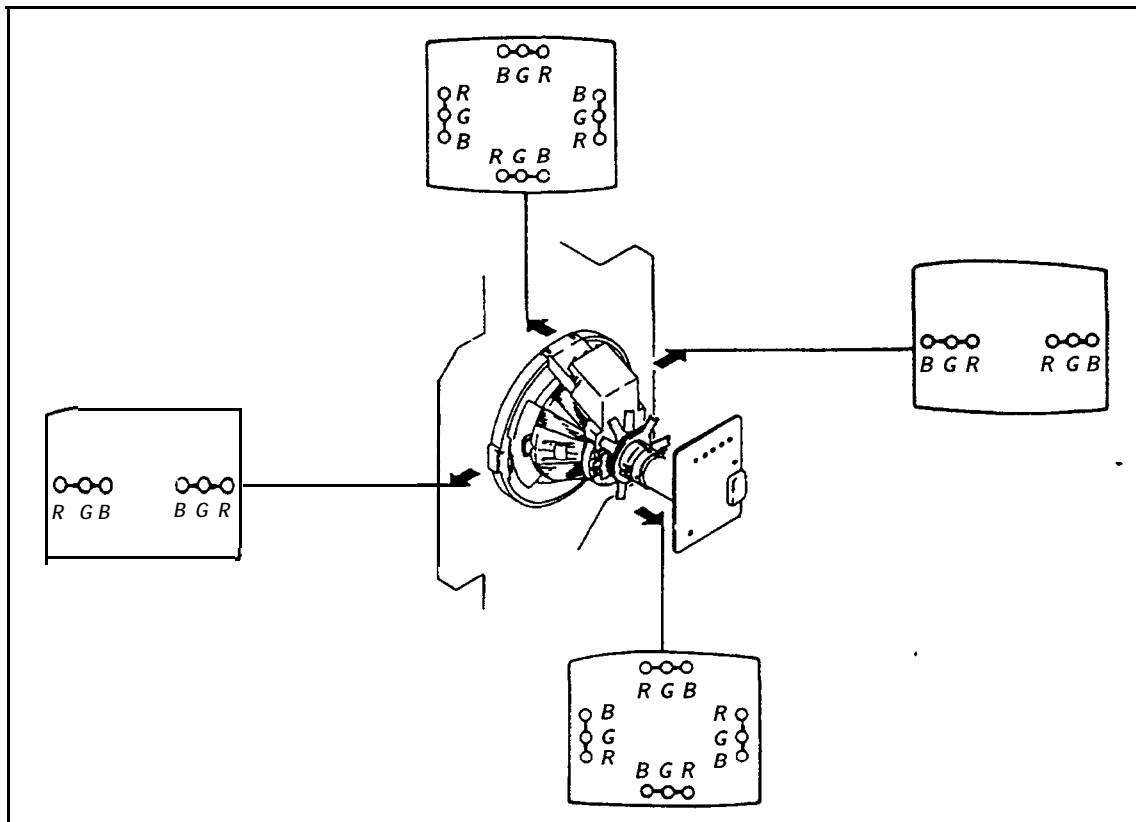
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).



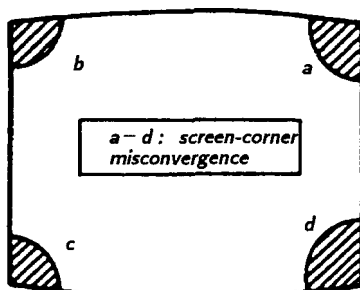
(2) Dynamic Convergence Adjustment

Preparations :

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
1. Slightly loosen the deflection yoke screws.
 2. Remove the deflection yoke spacer.
 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
 4. Tighten the deflection yoke screws.
 5. Install the deflection yoke spacer.

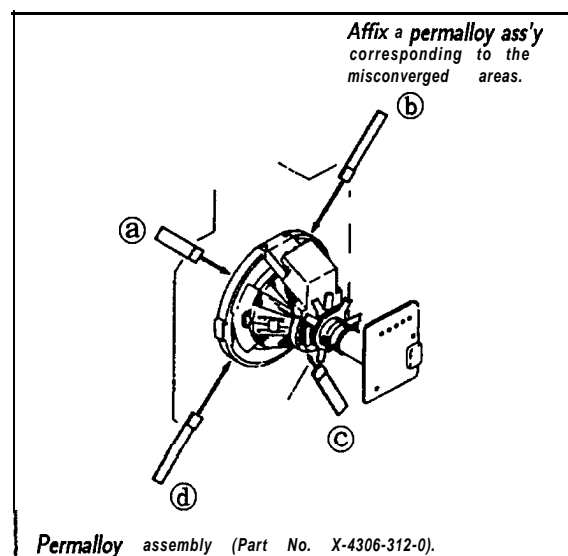
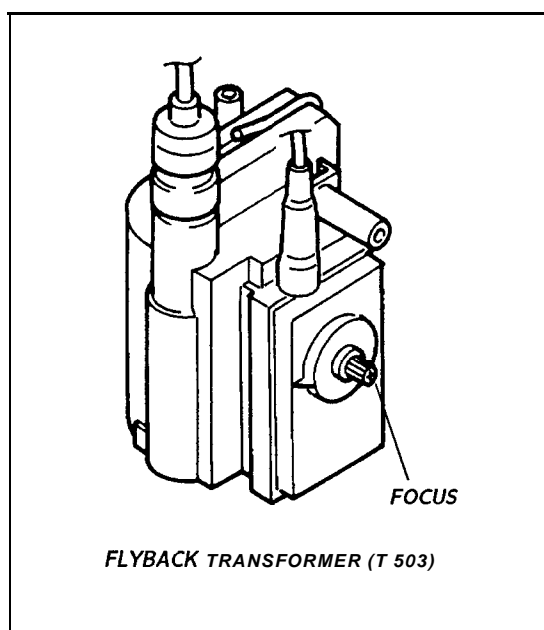


(3) Screen-corner Convergence



3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.



3-4. WHITE BALANCE

[Screen G 2 setting]

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180 V DC to the R, G, and B cathodes with an external power supply.
4. While watching the picture, adjust G 2 control RV 708 (Screen) to the point just before the return lines disappear.

[White balance adjustment]

1. Input an all-white signal from the pattern generator.
2. Set the picture brightness and color controls to their normal levels.
3. Use the RV 703 (B Drive) and RV 705 (G Drive) to adjust white balance.

In the adjustments below, have the picture color and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4
SAFETY RELATED ADJUSTMENTS**☒ R542 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**

The following adjustments should always be performed when replacing the following components (marked with **☒** on the schematic diagram).

IC601, Q605, Q606, C536, R542, R546, R620, R621, R629, R630, R639, PM501

①

1. Preparation before confirmation

- 1) Remove R620 on the D board and connect a variable resistor (**RV1** : about $20k\Omega$) between pin ① of IC601 and B+ line.
- 2) Supply $120 \pm 2.0V$ AC to with variable auto-transformer.

2. Hold-down operation confirmation

- 1) Turn the POWER switch **ON**, and receive entirely white signals and adjust ABL current to $1650 \pm 20 \mu A$ with PICTURE and BRIGHT etc controls.
- 2) Increase B+ line voltage gradually by adjusting the resistor of **RV1**. Confirm that the minimum voltage is less than **144.0V** DC whereby the raster disappears during operation of hold-down circuit.

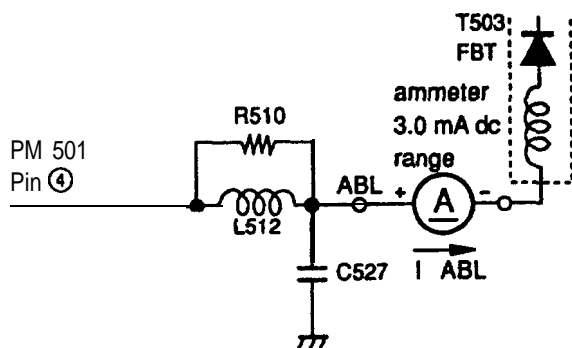
NOTE: When the hold-down circuit starts operating, switch **OFF** the POWER of the set immediately.

- 3) Turn the POWER switch **ON**, and receive dot signals and adjust ABL current to $150 \pm 20 \mu A$ with PICTURE and BRIGHT etc controls.
- 4) Increase B+ line voltage gradually by adjusting the resistor of **RV1**. Confirm that the minimum voltage is less than **148.0V** DC whereby the raster disappears during operation of hold-down circuit.

NOTE : When the hold-down circuit starts operating, switch **OFF** the POWER of the set immediately.

3. Hold-down readjustment

When step 2 is not satisfied, readjustment should be performed by altering the resistance value of R542 (a component marked with **☐**).

**☒ R543 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**

The following adjustments should always be performed when replacing the following components (marked with **☒** on the schematic diagram).

IC601, Q605, Q606, D507, C535, C536, C639, R520, R543, R546, R620, R621, R629, R630, T503, PM501

②

1. Preparation before confirmation

- 1) Turn the POWER switch **ON**, and receive entirely white signals and set the PICTURE and BRIGHT controls to maximum.
- 2) Confirm that voltage of the check terminal of pin ① of D-15 is more than **115.0V** DC when the set is operating normally with $120.0 \pm 2.0V$ AC supply.

2. Hold-down operation confirmation

- 1) Turn the POWER switch **ON**, and receive entirely white signals and adjust ABL current to $1650 \pm 20 \mu A$ with PICTURE and BRIGHT etc controls.
- 2) Apply DC voltage of over 130V DC gradually to the check terminal of pin ① of D-15 via 1T40 from the DC stabilized power source.

Confirm that the minimum voltage is less than **140.0V** DC whereby the raster disappears during operation of hold-down circuit.

NOTE : When the hold-down circuit starts operating, switch **OFF** the POWER of the set immediately.

- 3) Turn the POWER switch **ON**, and receive dot signals and adjust ABL current to $150 \pm 20 \mu A$ with PICTURE and BRIGHT etc controls.
- 4) Apply DC voltage of over 130V gradually to the check terminal of pin ① of D-15 via 1T40 from the DC stabilized power source.

Confirm that the minimum voltage is less than **140.5V** DC whereby the raster disappears during operation of hold-down circuit.

NOTE : When the hold-down circuit starts operating, switch **OFF** the POWER of the set immediately.

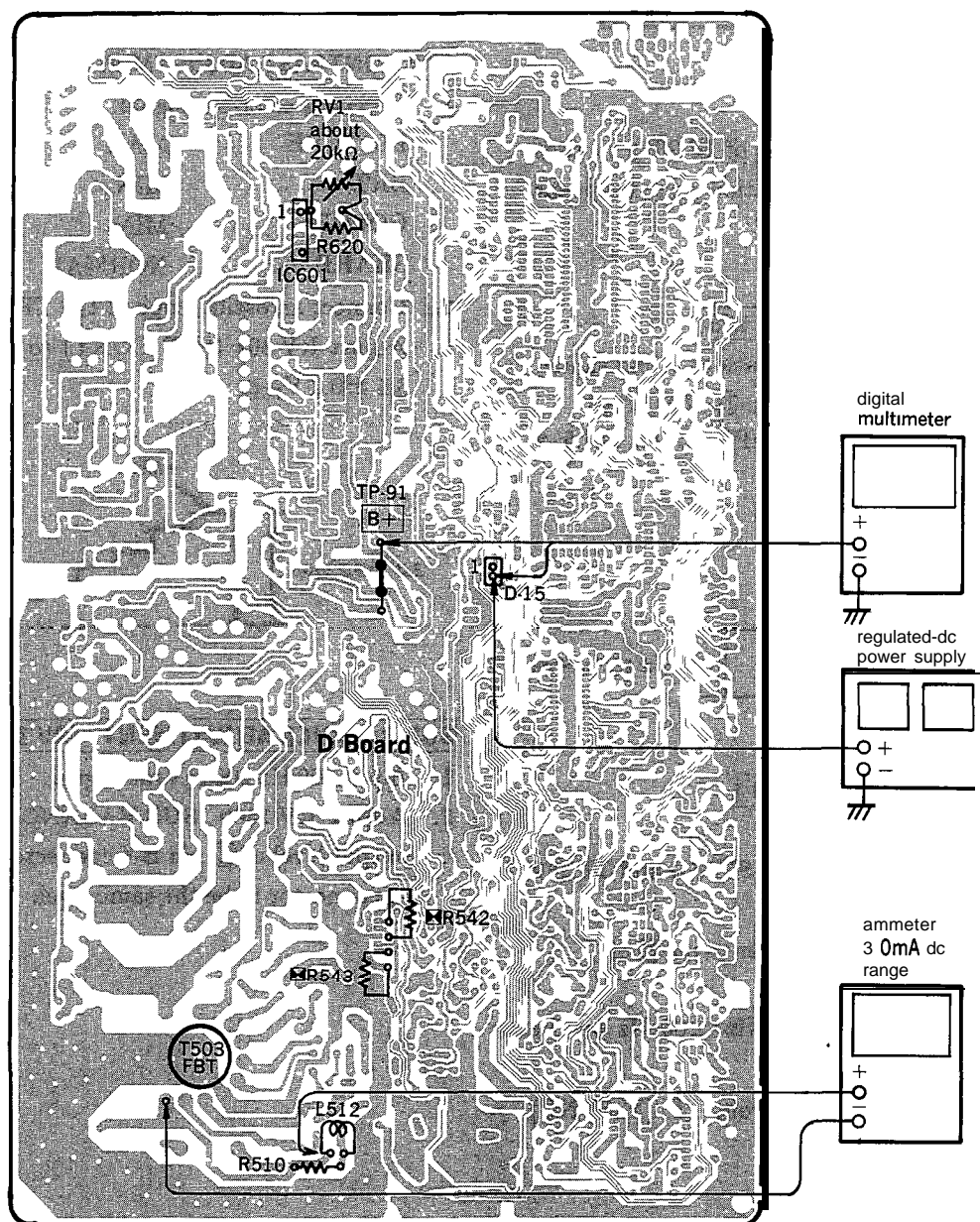
3. Hold-down readjustment

When step 2 is not satisfied, readjustment should be performed by altering the resistance value of R543 (a component marked with 8).

B+ VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC601 and R620.

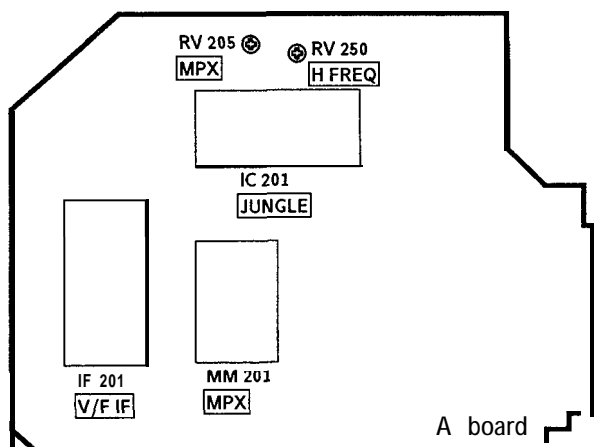
- 1) Supply $130 \pm 20V$ AC to with variable auto-transformer.
- 2) Receive entirely monoscope signal.
- 3) Set the PICTURE control and the BRIGHT controls in to initial reset.
- 4) Confirm the voltage of TP-91 is less than 137.0V DC.
- 5) If step 4) is not satisfied, replace IC601 and R620 repeat above steps.



SECTION 5

CIRCUIT ADJUSTMENTS

5-1. A BOARD ADJUSTMENTS

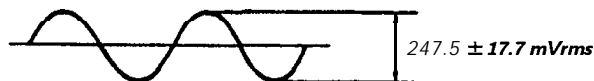


RF ACC ADJUSTMENT1

1. Receive an off-air signal.
2. Adjust AGC VR (AGC VR of IF 201) so that snow noise and cross-modulation just disappear from the picture.

MPX LEVEL ADJUSTMENT (RV 205)

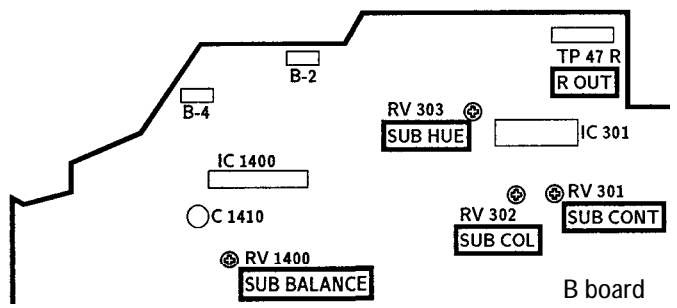
1. Receive 400 Hz (100% modulation) sound signal.
2. Connect an RMS meter to pin ⑪ of MM 201.
3. Adjust RV 201 so that the MPX level is $247.5 \pm 17.7 \text{ mVrms}$.



H. FREQ ADJUSTMENT (RV 250)

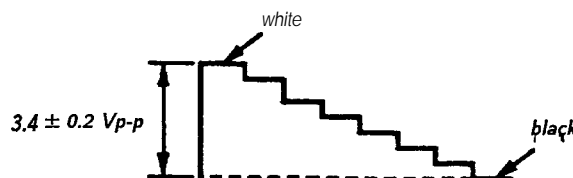
1. Receive an off air signal.
2. Short circuit between TP (Y SYNC) and TP (12 V) with a jumper wire.
3. Connect the frequency counter to pin@ of connector A-3.
4. Adjust RV 250 for $15.734 \text{ kHz} \pm 60 \text{ Hz}$ on the frequency counter.
5. Disconnect a jumper wire from TP (Y SYNC) and TP (12 V).

5-2. B BOARD ADJUSTMENTS



SUB CONTRAST ADJUSTMENT (RV 301)

1. Receive a color-bar signal.
PICTURE. MAX
BRT..... MIN
COLOR..... MIN
SHARP----- NORMAL
2. Connect an oscilloscope to the TP 47 R(R OUT).
3. Adjust RV 301 (SUB CONT) so that voltage is 3.4 to.2 vp-p.

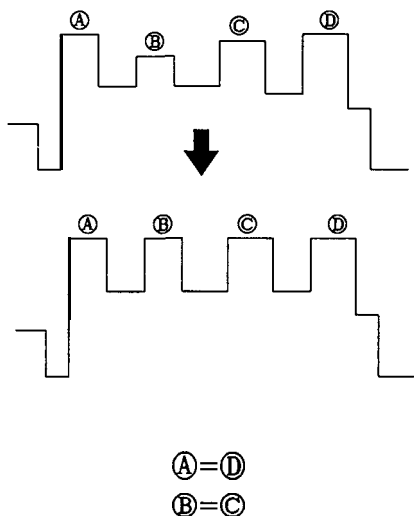


SUB BALANCE ADJUSTMENT (RV 1400)

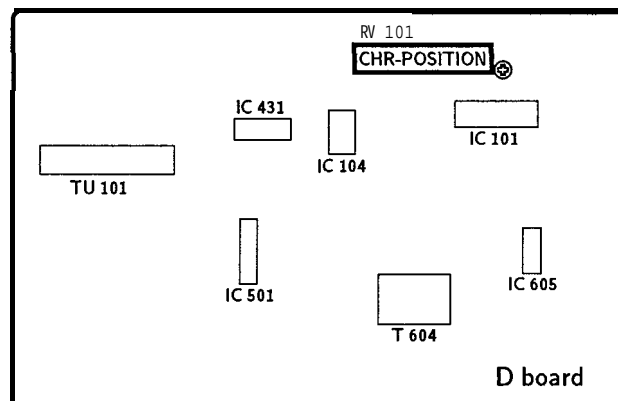
1. Input 400 Hz 200 mVrms signal.
2. Adjust RV 1400 (SUB-BALANCE) so that the output level of ② pin B-4 connector and ① pin B-2 connector to be the same level.

SUB COLOR AND SUB HUE ADJUSTMENTS (RV 302,303)

1. Receive a color bar signal.
2. Set PICTURE and BRT to normal.
3. Connect an oscilloscope to the TP 47 R (B OUT).
4. Adjust RV 302(SUB-COL)and RV 303 (SUB-HUE) to be the same level.



5-3. D BOARD ADJUSTMENTS



CHARACTER POSITION (RV 101)

1. Receive a color-bar signal.
2. Set the PICTURE control to maximum setting and set the BRIGHTNESS control to center click position.
3. Press the PICTURE control button until this picture level becomes maximum.
4. Adjust RV 101 as shown in Fig. 1.

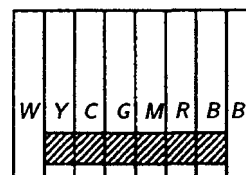
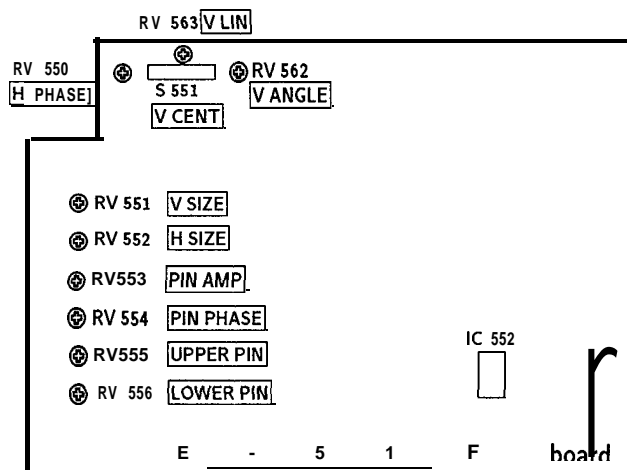


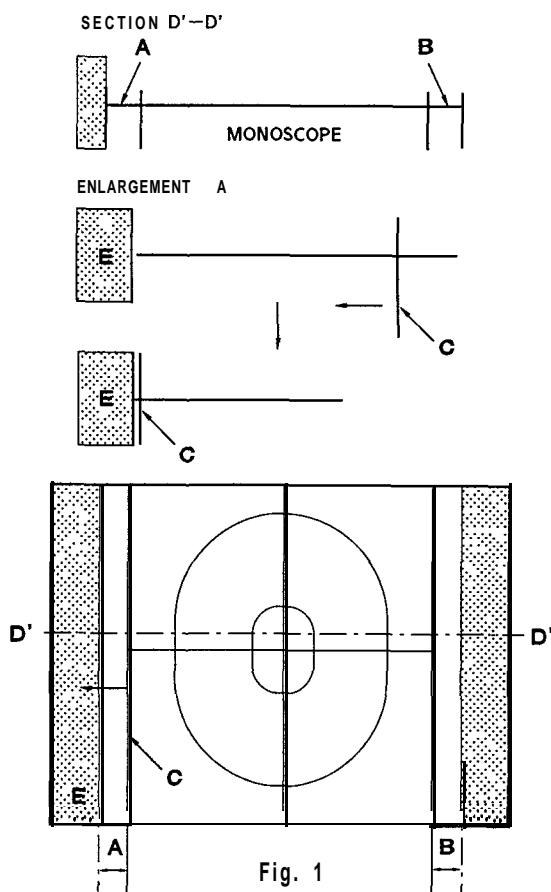
Fig. 1

5-4. E BOARD ADJUSTMENTS



H.PHASE (HORIZONTAL PHASE) (RV 550)

1. Receive monoscope signal.
2. Adjust H-SIZE min.
3. Turn H-PHASE VR until area "C" moves in the arrow direction and coincide with the edge of area "E" (DOTTED AREA) (Fig.1)



H. SIZE (HORIZONTAL SIZE) (RV552)



V. CENT (VERTICAL CENTER) (S551)



V. SIZE (VERTICAL SIZE) (RV551)



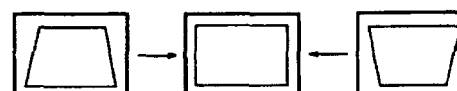
V. ANGLE (VERTICAL ANGLE) (RV562)



PIN. AMP (PINCUSHION AMPLIFIER) (RV553)



PIN. PHASE (PINCUSHION PHASE) (RV554)



UPPER PIN (RV555)



LOWER PIN (RV556)



V.LIN (VERTICAL LINEARITY) (RV 563)



SECTION 6 DIAGRAMS

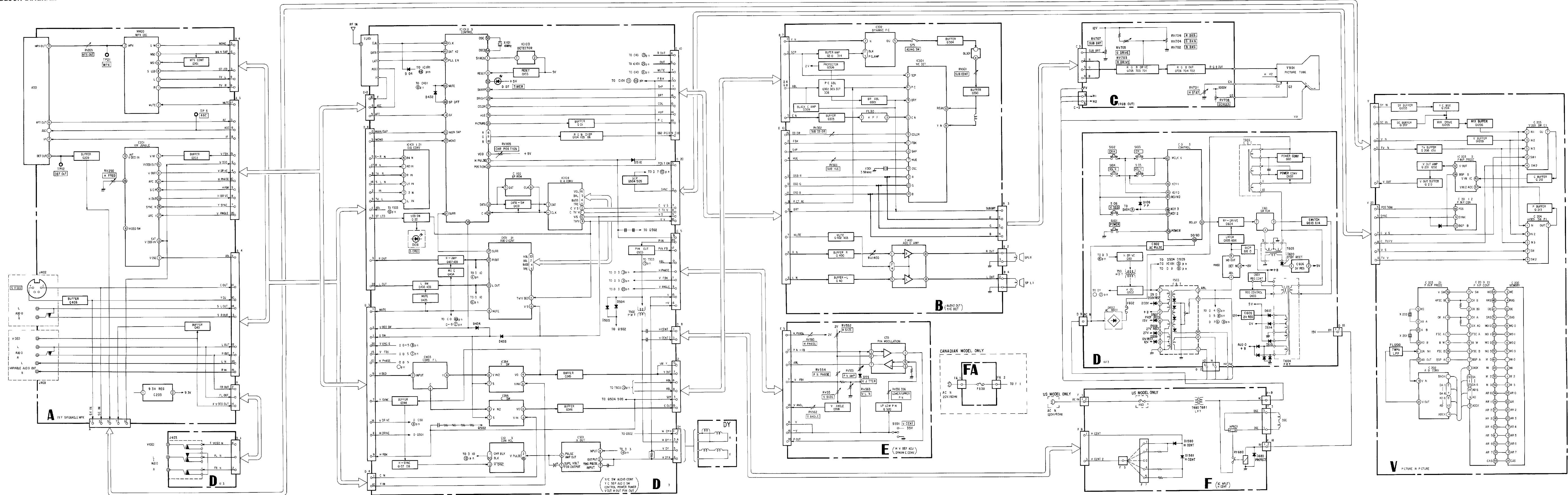
KV-27TS35
RM-Y102

KV-27TS35
RM-Y102

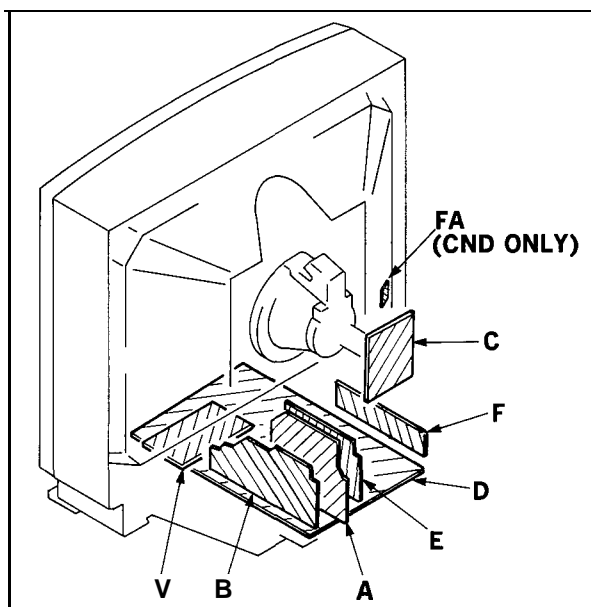
KV-27TS35
RM-Y102

KV-27TS35
RM-Y102

6-1. BLOCK DIAGRAM



6-2. CIRCUIT BOARDS LOCATION



6-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted.
- pF: μF 50VV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm

Rating electrical power 1/4W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
- Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.
- (Refer to R542 and R543 on page 28-29 in the Service Manual.)
- When replacing the part in below table be sure to par-form the related adjustment.

Part replaced ()	Adjustment (8)
IC601, PM501, Q605, Q606, C536, R639, R630, R629, R621, R620, R546, R542,	R542 (HOLD-DOWN)
IC601, PM501, Q606, Q605, D507, T503, C639, C536, C535, R630, R629, R621, R620, R543, R546, R520	R543 (HOLD-DOWN)

- All voltages are in V.
- Voltage geared with respect to ground unless otherwise noted.
- Readings are taken with a 10 $\text{M}\Omega$ digital multimeter
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : signal path

Reference information

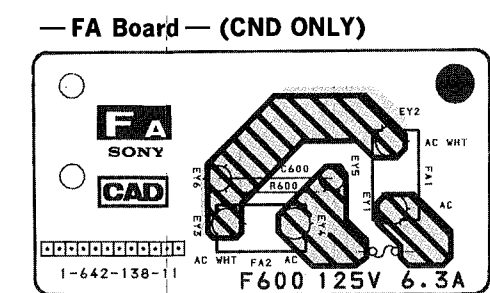
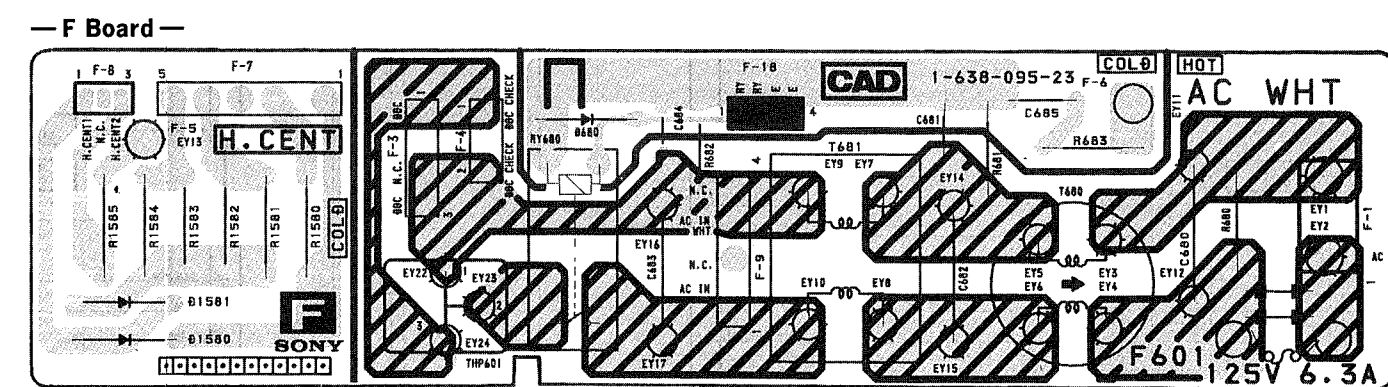
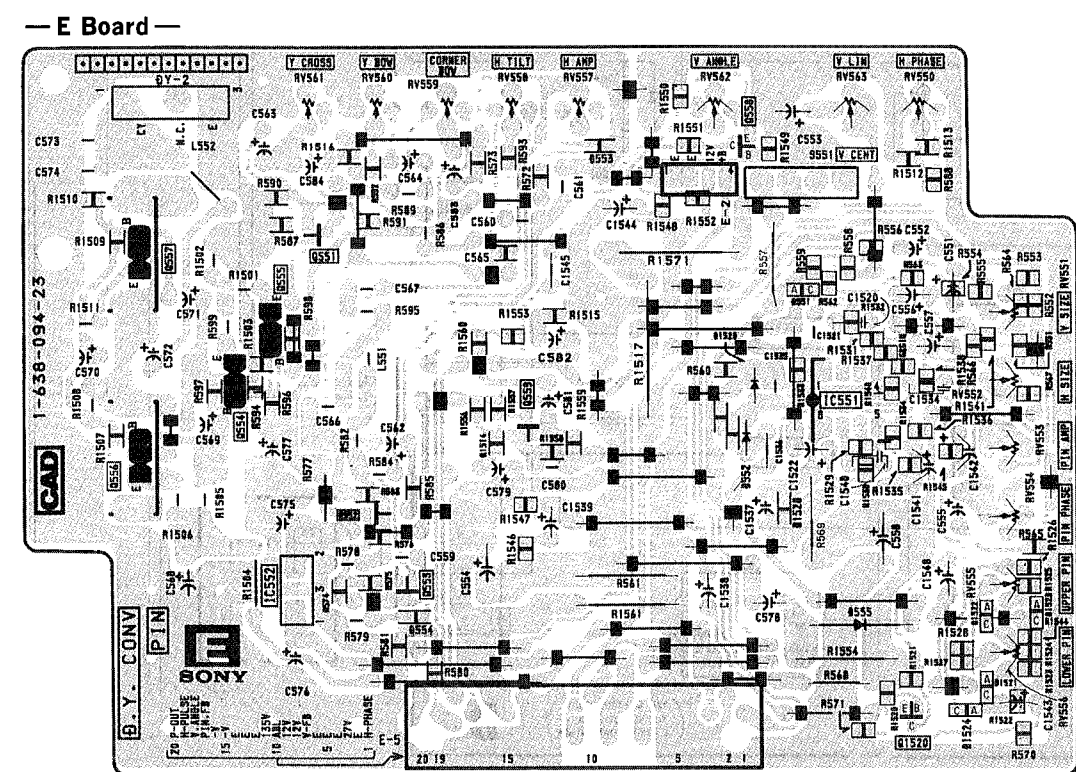
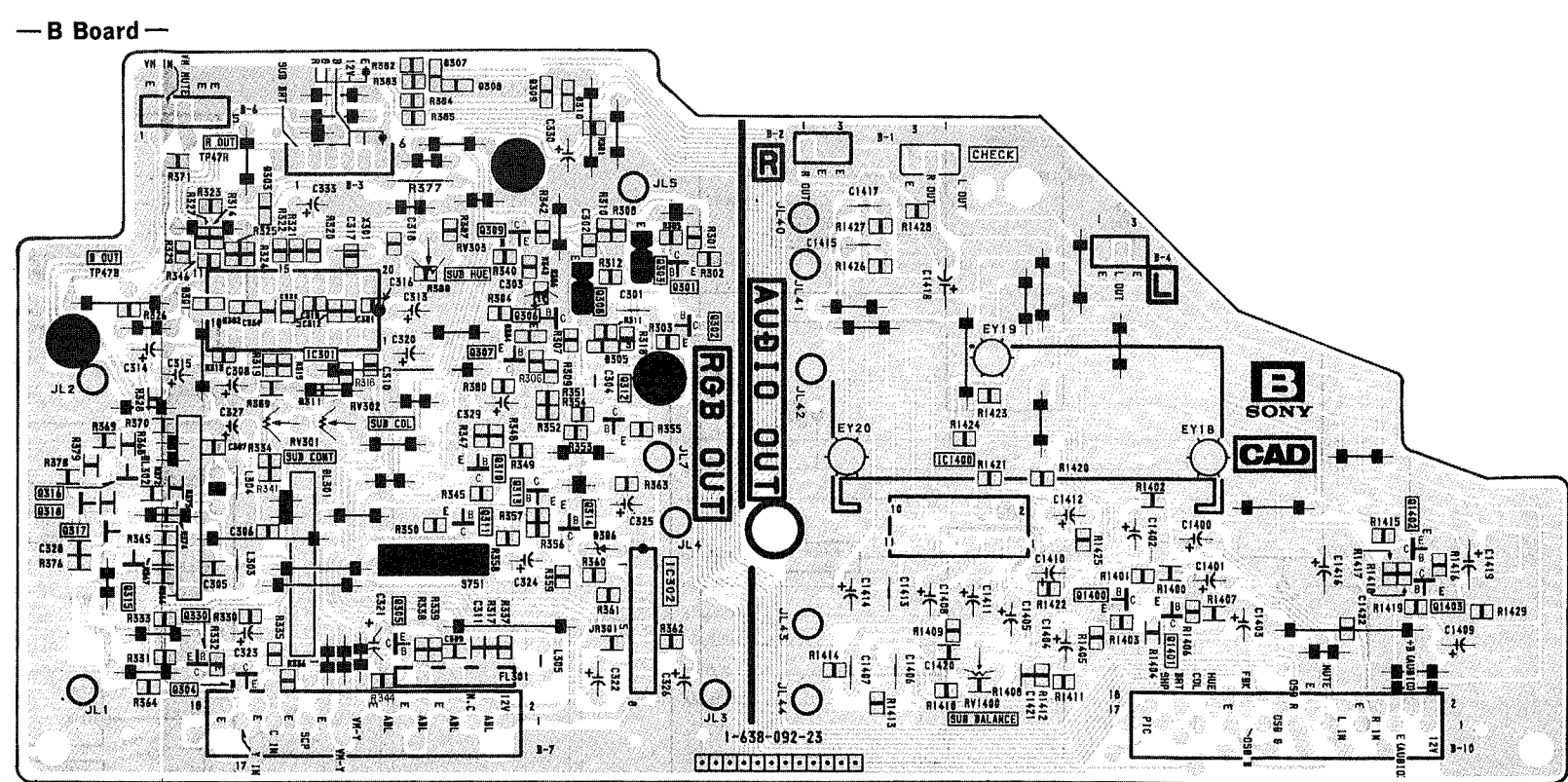
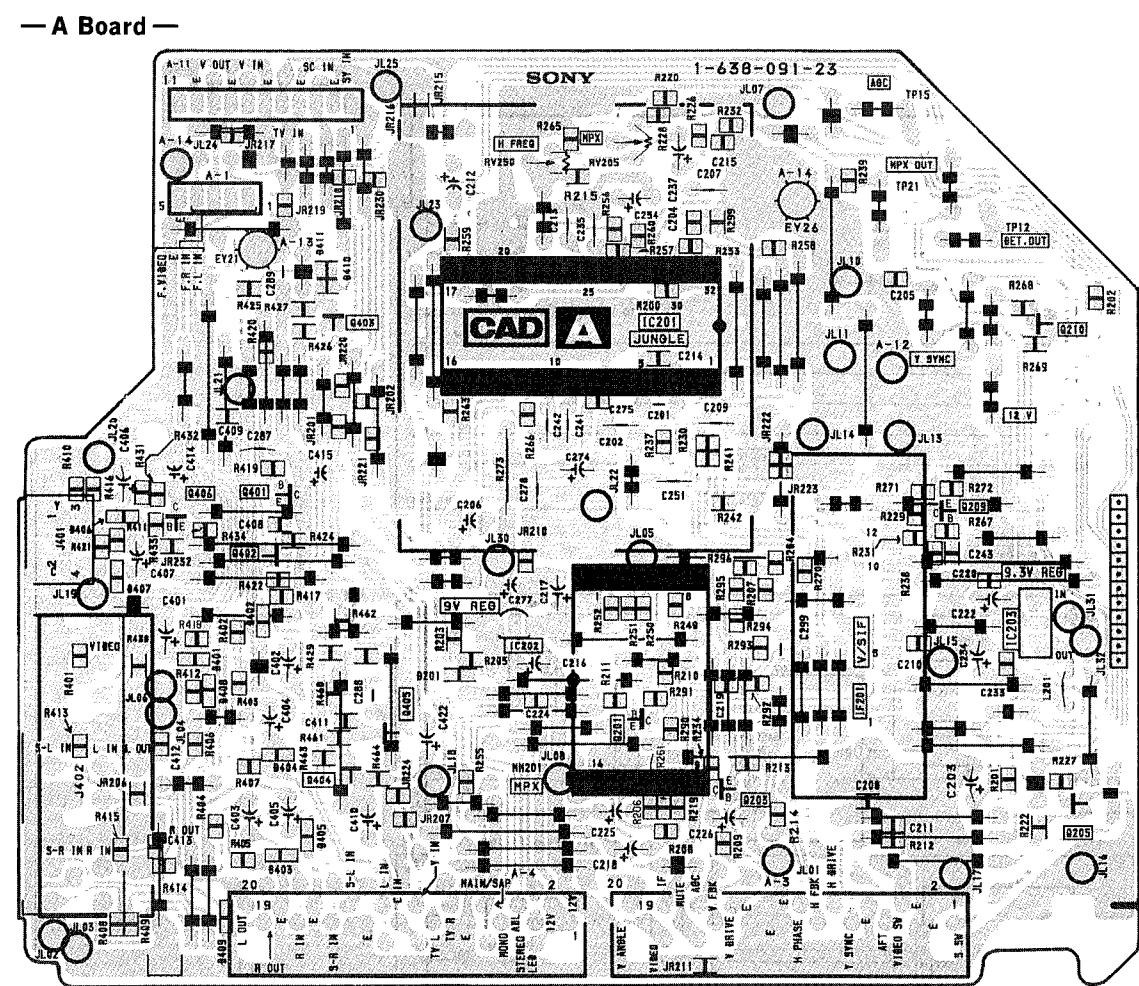
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note:

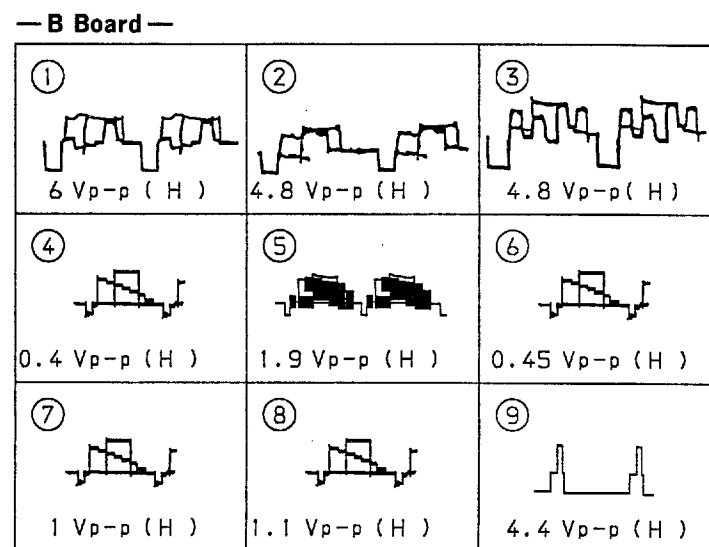
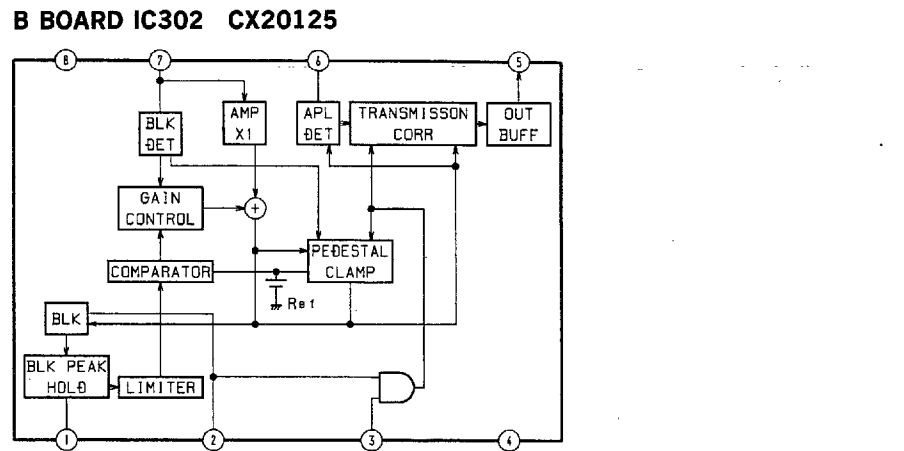
The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

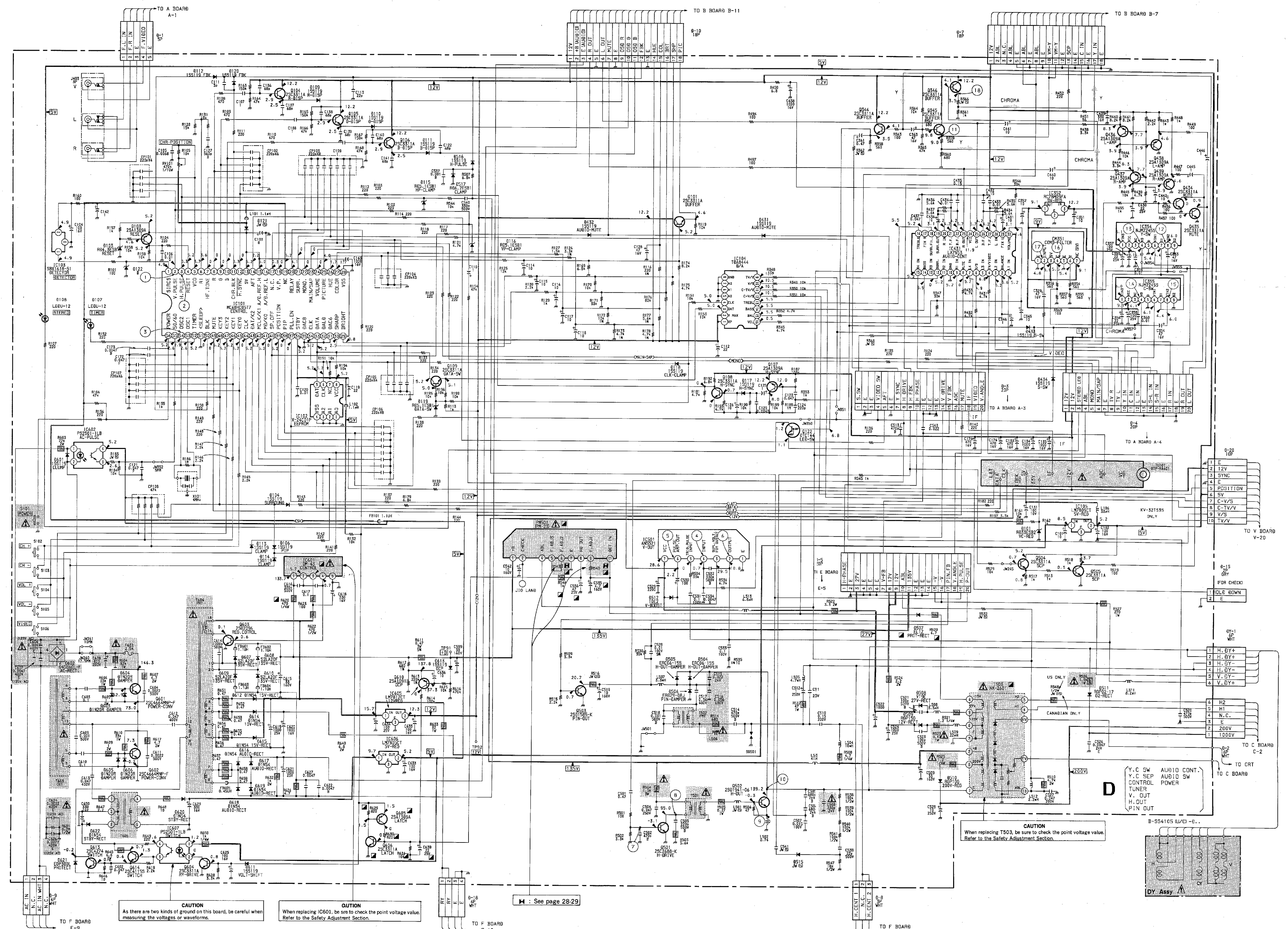
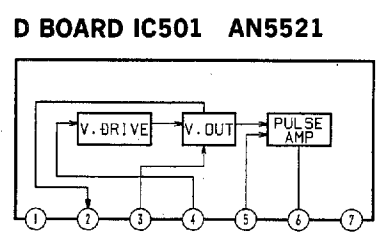
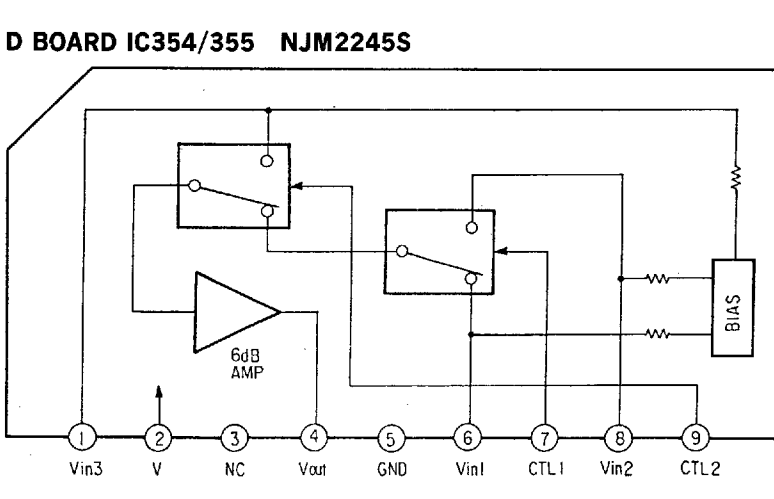
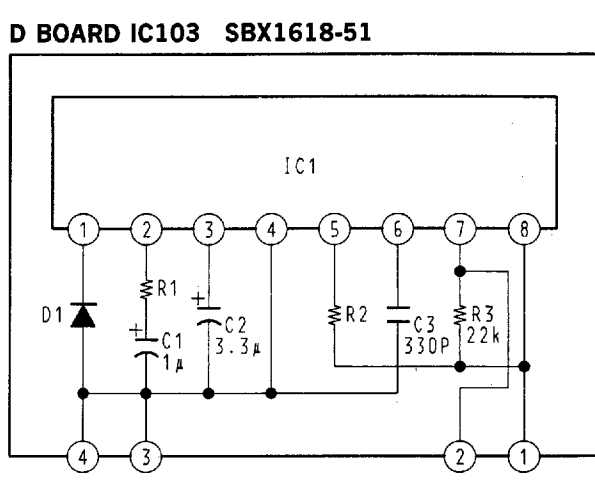
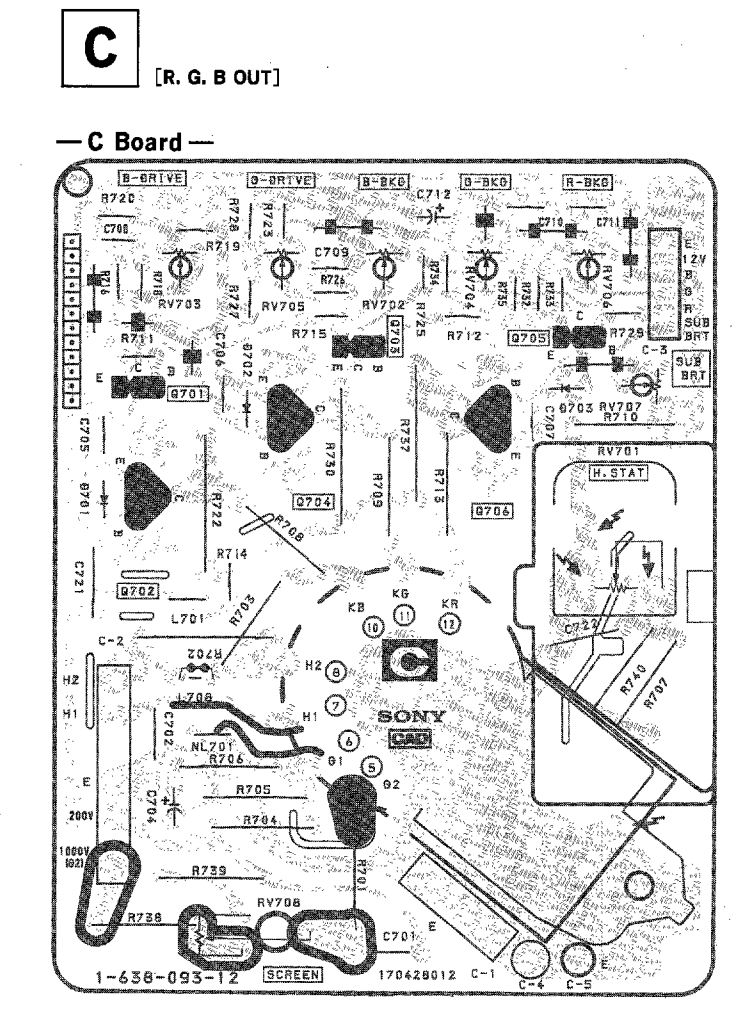
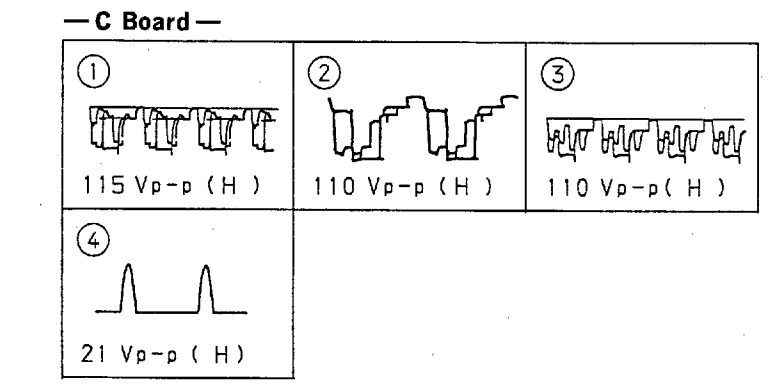
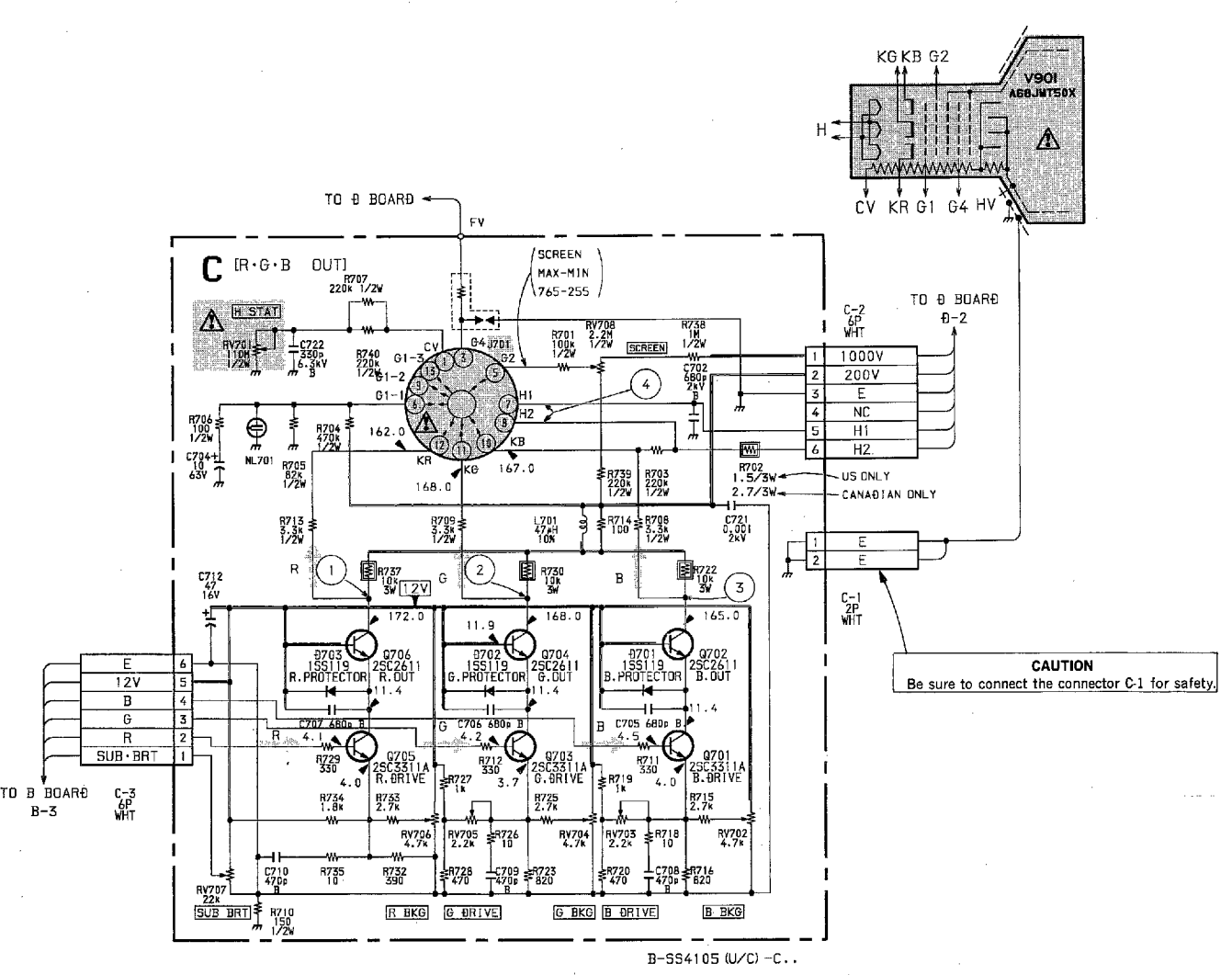
Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



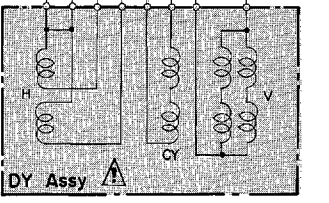


CAUTION
As there are two kinds of ground on this board, be careful when measuring the voltages or waveforms.

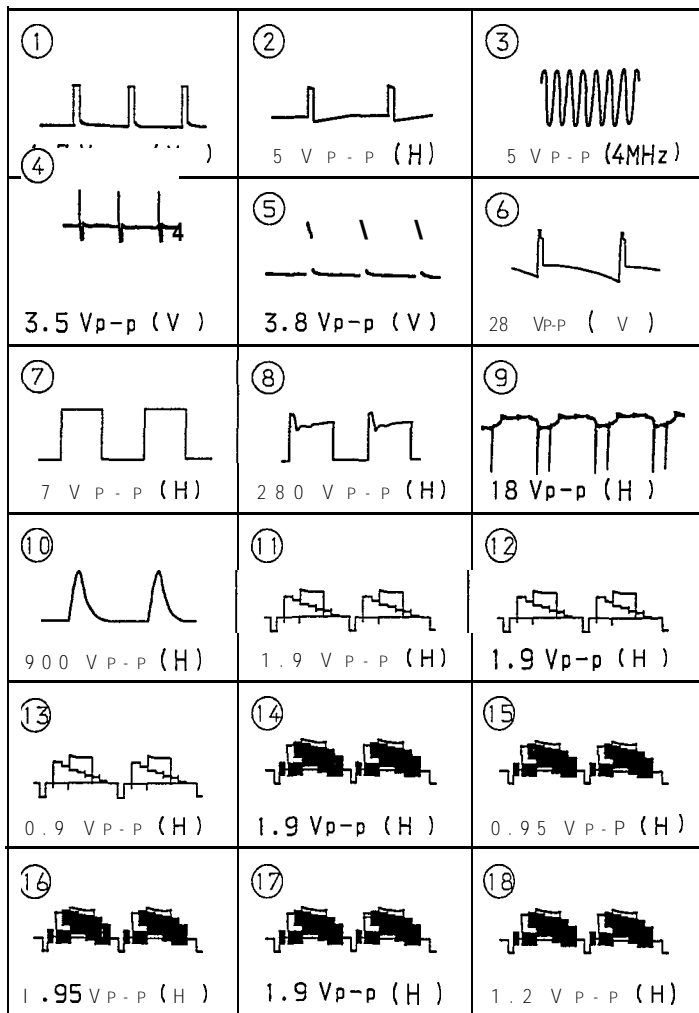
CAUTION
When replacing IC601, be sure to check the point voltage value. Refer to the Safety Adjustment Section.

See page 28-29

CAUTION
When replacing T503, be sure to check the point voltage value. Refer to the Safety Adjustment Section.



-D Board -



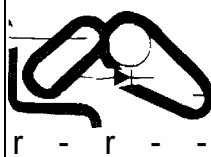
- D Board -

IC		D115	A.2
IC101	B-3	D116	B-2
IC102	c-3	D117	A-8
IC103	C-1	D118	B-5
IC104	C-6	D119	c-5
IC105	C-B	D120	A-4
IC352	B-1 2	D413	A-8
IC354	B-1 2	D432	B 4
IC355	B-10	D433	C-8
IC431	C-7	D434	C-8
IC501	E-7	D504	G-9
IC601	E-2	D505	F-9
IC602	F-2	D506	G-9
IC605	E-2	D507	E-11
IC606	F-2	D508	E-11
IC607	F-5	D509	E-11
		D510	F-10
		D511	F-10
		D512	E-8
		D515	E-9
		D516	B-5
		D517	c-5
Q101	B-5	D601	G-2
Q103	A-2	D602	G-2
Q104	A-3	D603	G-4
Q105	A-4	D604	G-5
Q106	A-3	D605	G-6
Q107	A-9	D606	G-6
Q108	A-8	D607	E-4
Q109	G-5	D608	E-4
Q122	C-7	D609	E-3
Q344	A-9	D610	E-3
Q345	B-10	D611	E-6
Q346	B-10	D612	E-4
Q434	B-9	D613	D-4
Q435	B-10	D614	E-5
Q436	B-9	D615	E-5
4437	B-9	D616	E-5
Q438	B-9	D617	E-5
Q439	B-9	D618	E-5
Q501	G-7	D619	E-6
Q502	G-10	D620	F-2
Q503	F-6	D621	F-5
Q504	D-5	D622	G-4
4505	D-5		
4601	G-4		
Q602	G-6		
Q603	F-3		
Q604	E-6		
Q605	D-6		
Q606	D-6		
4610	D-4		
Q613	F-6		
Q614	F-6		

TRANSISTOR	

DIODE	
D101	D-10
D103	A-2
D104	G-3
D106	D-3
D107	D-1
D108	C-1
D109	A-4
D110	A-5
D111	A-5
D112	c-5
D113	c-3
D114	C-3

VARIABLE RESISTOR	
RV101	B-3



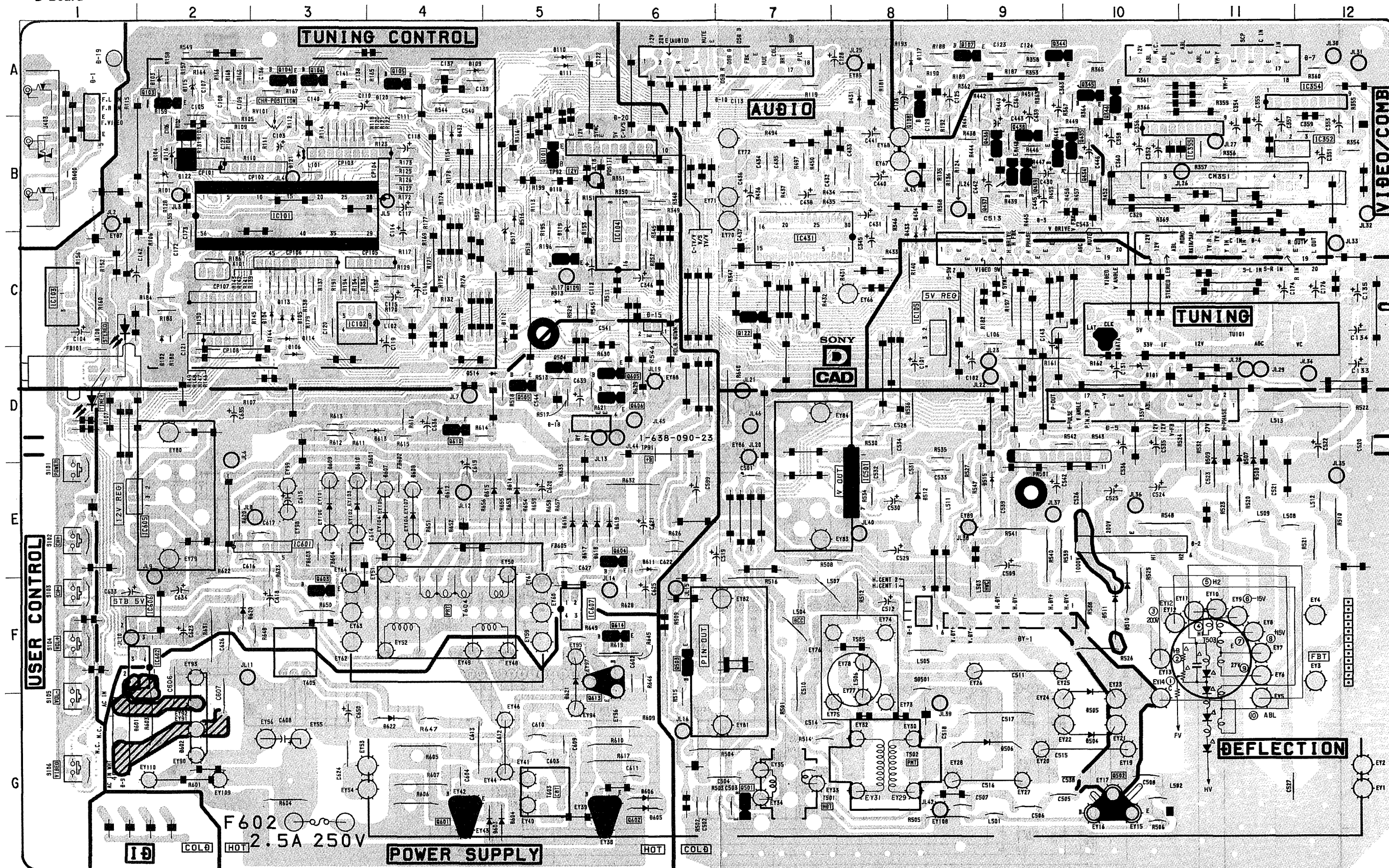
NOTE:

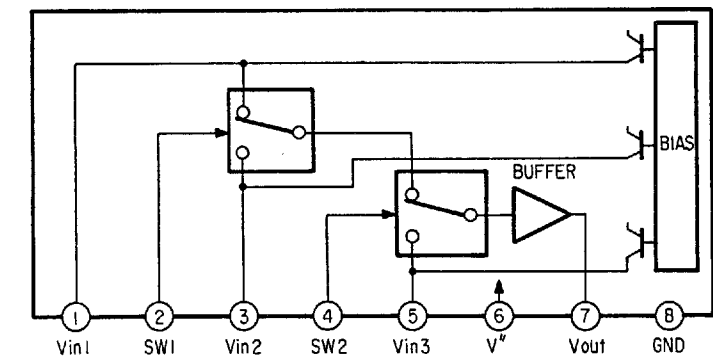
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

D

[Y. C SW, AUDIO CONT, Y/C SEP, AUDIO SW,
CONTROL, POWER, TUNER, V. OUT, H. OUT, PIN OUT]

— D Board —





SECTION 7
EXPLODED VIEWS

NOTE:

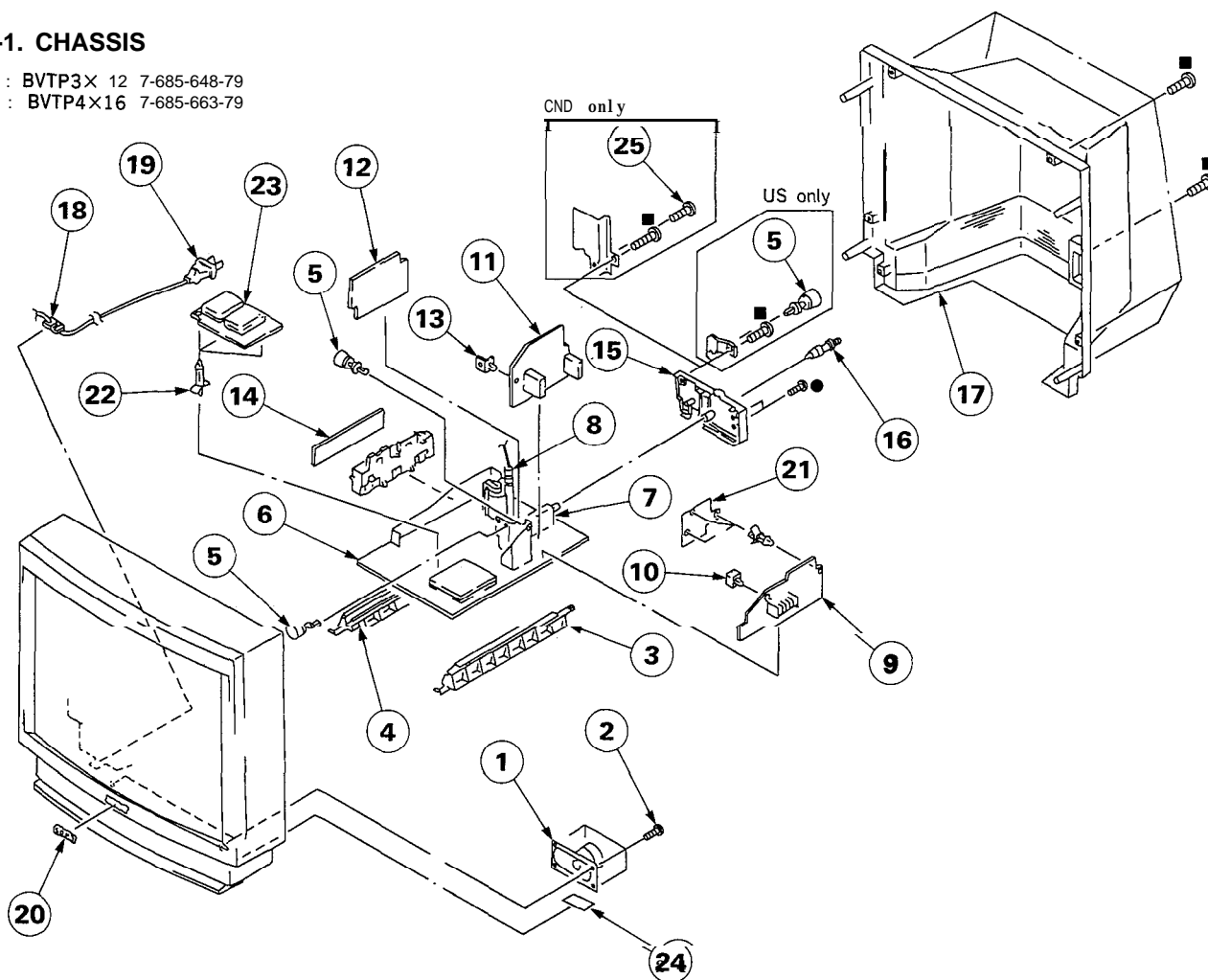
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié

7-1. CHASSIS

- : BVTP3X 12 7-685-648-79
- : BVTP4X16 7-685-663-79



REF. NO. PART NO. DESCRIPTION

REMARK REF. NO. PART NO.

DESCRIPTION

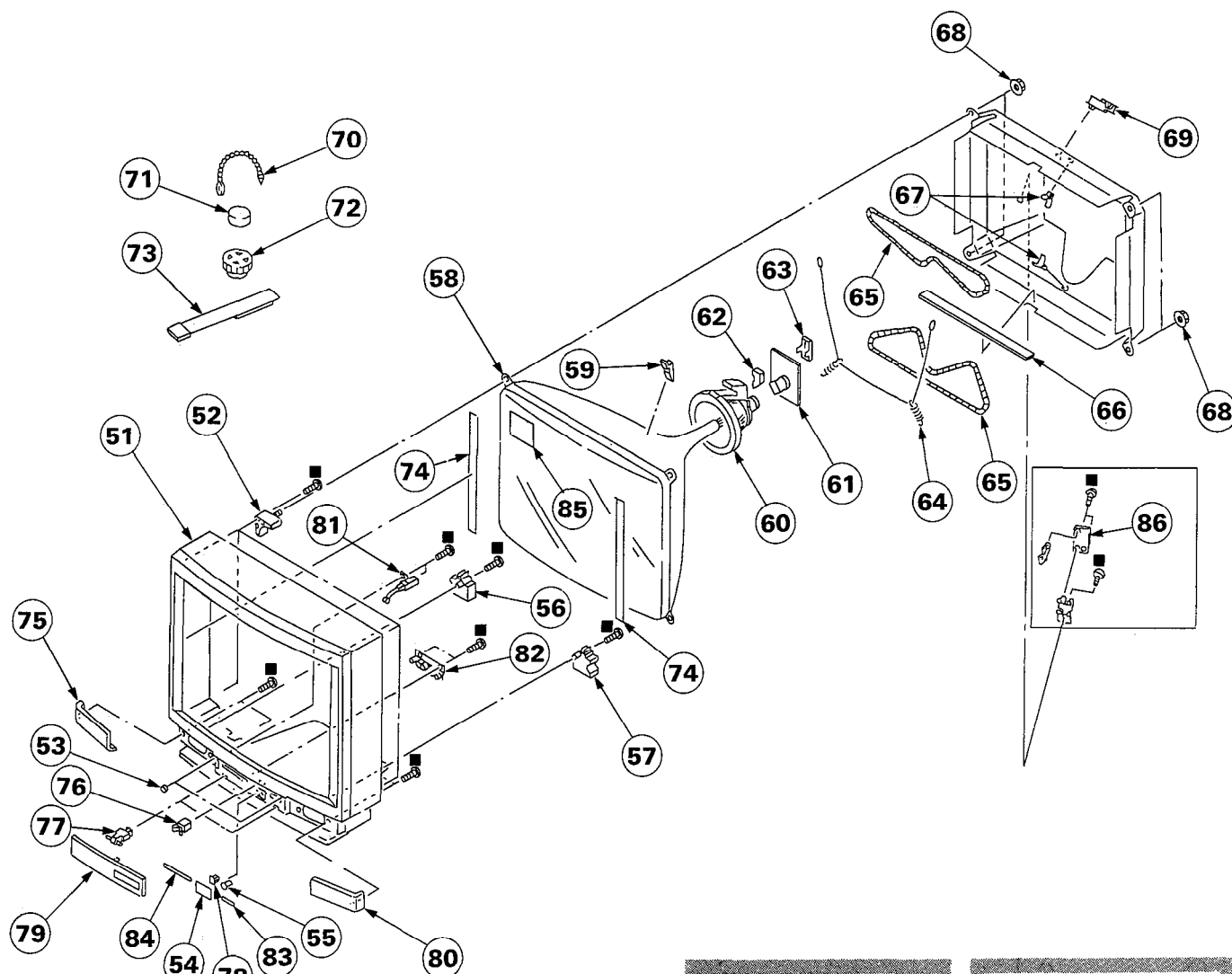
REMARK

1	1-544-549-11	SPEAKER
2	4-388-477-01	SCREW (3X16), TAPPING, +BV YASHER
3	*4-031-417-01	GUIDE (A), PC BOARD
4	*4-031-418-01	GUIDE (B), PC BOARD
5	*4-397-418-01	RIVET, T TYPE
6	*A-1346-039-A	D BOARD, COMPLETE (USA ONLY)
	*A-1346-038-A	D BOARD, COMPLETE (CND ONLY)
7	Δ 1-465-371-11	TUNER, ET (BTP-RA401) (USA ONLY)
	A-1-465-371-21	TUNER, ET (BTP-RA401) (CND ONLY)
8	Δ 1-439-502-11	TRANSFORMER ASSY, FLYBACK (NX-2600A3)
9	*A-1135-670-A	B BOARD, COMPLETE
10	*4-032-236-01	HOLDER (B), PC BOARD
11	*A-1296-931-A	A BOARD, COMPLETE

12	*A-1345-953-A	E BOARD, COMPLETE
13	*4-397-417-01	HOLDER, PC BOARD
14	*1-638-095-11	F BOARD
15	X-4029-754-1	TERMINAL BOARD ASSY, ANTENNA
16	1-573-657-11	PLUG, F-PIN
17	4-031-608-01	COVER, REAR
18	Δ 4-388-328-01	GROMMET, AC CORD
19	Δ 1-590-492-21	CORD, POWER (WITH CONNECTOR)
20	4-394-048-01	EMBLEM (NO.9), SONY
21	4-033-125-01	PLATE, SHIELD
22	*3-703-353-10	SUPPORT, PC BOARD
23	*A-1347-053-A	V BOARD, COMPLETE
24	4-033-458-01	CUSHION (D)
25	4-035-589-01	SCREW (M3X10), +P CONE POINT (CND ONLY)

7-2. PICTURE TUBE

■ : BVTP4 X 16 7-685-663-79



une d'une marque Δ
sont critiques pour la sécurité
Ne les remplacer que par une
pièce portant le numéro spécifié.

Shadow mask Δ are critical for safety
Replace only with part number
specified.

REF. NO.	PART NO.	DESCRIPTION
51	4-031-607-01	CABINET (WITH BEZEL)
52		
53	4-034-801-00	BRACKET, PICTURE TUBE
54	4-032-391-11	PLATE, INDICATION
55	*4-389-517-01	GUIDE (R), LIGHT
56	*4-031-604-01	SUPPORT (RIGHT), PICTURE TUBE
57		
58	A-8-737-753-05	PICTURE TUBE (A68JMT50X)
59	3-704-495-01	SPACER, DY
60	A-1-4-A-1331-12	DEFLECTION BOARD COMPLEX (Y28PFA)
61	*A-1331-128-A	
62		
63	*4-379-316-01	COVER (REAR LID), CV
64	A-1-426-350-11	COIL, DEMAGNETIZATION
*4-371-624-385-725-01		STOPPER, SHEET, ROUTING WIRE

REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	I			
	68	4-387-204-01	NUT, SPECIAL, PICTURE TUBE	
	69	*4-387-284-01	HOLDER, LEAD	
	70	4-308-870-00	CLIP, LEAD WIRE	
	71	1-452-032-00	MAGNET, DISK: 10MM ϕ	
	72	1-452-094-00	MAGNET, ROTATABLE DISK: 15MM ϕ	
	73	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
	74	4-033-457-01	CUSHION (C)	
	75	X-4029-757-1	FRAME ASSY (LEFT), SPEAKER	
	76	4-392-036-01	CATCHER, PUSH	
	77	3-703-035-11	SHAFT, LID	
		*4-032-397-01	GUIDE, LIGHT	
	79	X-4029-759-3	DOOR ASSY, CONTROL	
	80	X-4029-758-1	FRAME ASSY (RIGHT), SPEAKER	
	81	*4-032-393-01	DAMPER	
	82	X-4029-805-1	BUTTON ASSY, MULTI	
	83	4-032-390-11	LABEL (CONTROL) (A/V)	
	84	4-032-392-11	LABEL (CONTROL) (BUTTON)	
	85	*3-703-703-01	STICKER, SONY SYMBOL (50)	
	86	*1-642-138-11	FA BOARD (CND ONLY)	

SECTION 8
ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark Δ are critical for safety
Replace only with part number specified

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité
Ne les remplacer que par une pièce portant le numéro spécifié

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

MF : μ F, PF : μ F

COILS

MMH : mH, UH : μ H

• The components identified by \square in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	*A-1135-670-A	B BOARD, COYPLETE *****		C1310	1-124-120-11	ELECT	220MF 20% 25V
	*4-341-752-01	EYELET (EY18-EY20)		C1411	1-126-233-11	ELECT	22MF 20% 25V
	4-382-854-11	SCREW (M3X10), P, SW (-)		C1412	1-124-120-11	ELECT	220MF 20% 25V
				C1413	1-136-173-00	FILM	0.47MF 5% 50V
				C1414	1-124-907-11	ELECT	10MF 20% 50V
		<CONNECTOR>		C1415	1-136-169-00	FILM	0.22MF 5% 50V
B1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		C1416	1-124-563-11	ELECT	2200MF 20% 25V
B2	*1-564-506-11	PLUG, CONNECTOR 3P		C1417	1-136-169-00	FILM	0.22MF 5% 50V
B3	*1-564-509-11	PLUG, CONNECTOR 6P		C1418	1-124-563-11	ELECT	2200MF 20% 25V
B4	*1-564-506-11	PLUG, CONNECTOR 3P		C1419	1-124-563-11	ELECT	2200MF 20% 25V
B7	1-573-300-11	CONNECTOR. BOARD TO BOARD 18P		C1422	1-163-025-11	CERAMIC CHIP	0 001MF 50V
B10	1-573-300-11	CONNECTOR. BOARD TO BOARD 18P				<DIODE>	
		<CAPACITOR>		D301	8-719-158-39	DIODE RD10S-B	
C301	1-124-282-00	ELECT	22MF 20% 16V	D302	8-719-158-39	DIODE RD10S-B	
C302	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	D303	8-719-158-39	DIODE RD10S-B	
C303	1-126-233-11	ELECT	22MF 20% 25V	D304	8-719-404-46	DIODE MA110	
C306	1-163-105-00	CERAMIC CHIP	33PF 5% 50V	D305	8-719-404-46	DIODE MA110	
C307	1-163-133-00	CERAMIC CHIP	470PF 5% 50V	D306	8-719-109-81	DIODE RD4.7ES-B2	
C308	1-124-903-11	ELECT	1MF 20% 50V	D307	8-719-158-39	DIODE RD10S-B	
C310	1-163-038-00	CERAMIC CHIP	0.1MF 25V	D308	8-719-158-39	DIODE RD10S-B	
C312	1-163-038-00	CERAMIC CHIP	0.1MF 25V	D309	8-719-158-39	DIODE RD10S-B	
C313	1-124-925-11	ELECT	2.2MF 20% 50V	D310	8-719-158-39	DIODE RD10S-B	
C314	1-126-233-11	ELECT	22MF 20% 25V			<DELAY LINE>	
C315	1-124-907-11	ELECT	10MF 20% 50V	DL301	1-415-851-11	DELAY LINE	
C316	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V			<FILTER>	
C317	1-163-097-00	CERAMIC CHIP	15PF 5% 50V	FL301	1-239-151-11	FILTER, HIGH PASS	
C318	1-164-222-11	CERAMIC CHIP	0.22MF 25V			<IC>	
C319	1-163-018-00	CERAMIC CHIP	0.0056MF 10% 50V	I C301	8-759-518-39	IC TDA3569B/N2	
C320	1-126-101-11	ELECT	100MF 20% 16V	IC302	8-752-012-52	IC CX20125	
C321	1-124-907-11	ELECT	10MF 20% 50V	IC1400	8-759-980-43	IC TDA2009A	
C322	1-124-903-11	ELECT	1MF 20% 50V			<COIL>	
C323	1-124-477-11	ELECT	47MF 20% 16V	1304	1-408-405-00	INDUCTOR	4.7UH
C324	1-124-907-11	ELECT	10MF 20% 50V			<TRANSISTOR>	
C325	1-124-907-11	ELECT	10MF 20% 50V	Q301	8-729-920-74	TRANSISTOR	2SC2412K-QR
C326	1-124-927-11	ELECT	4.7MF 20% 50V	Q302	8-729-216-22	TRANSISTOR	2SA1162-G
C329	1-124-927-11	ELECT	4.7MF 20% 50V	Q303	8-729-119-78	TRANSISTOR	2SC2785-HFE
C330	1-126-233-11	ELECT	2iMF 20% 2iV	Q304	8-729-920-74	TRANSISTOR	2SC2412K-QR
C331	1-164-222-11	CERAMIC CHIP	0.22MF 25V	Q305	8-729-920-74	TRANSISTOR	2SC2412K-QR
C332	1-163-035-00	CERAMIC CHIP	0.047MF 50V				
C333	1-126-233-11	ELECT	22MF 20% 25V				
C1402	1-124-903-11	ELECT	1MF 20% 50V				
C1403	1-124-907-11	ELECT	10MF 20% 50V				
C1404	1-124-903-11	ELECT	1MF 20% 50V				
C1405	1-124-925-11	ELECT	2.2MF 20% 50V				
C1406	1-136-153-00	FILM	0.01MF 5% 50V				
C1407	1-136-153-00	FILM	0.01MF 5% 50V				
C1408	1-124-925-11	ELECT	2.2MF 20% 50V				
C1409	1-124-925-11	ELECT	2.2MF 20% 50V				

B

REF.NO.	PART NO.	DESCRIPTION	REYARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q306	S-729-216-22	TRANSISTOR 2SA1162-G		R351	I-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q307	S-729-920-74	TRANSISTOR 2SC2412K-QR		R352	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q308	8-729-119-78	TRANSISTOR 2SC2785-HFE		R353	1-216-037-00	METAL GLAZE 330 5%	1/10W
Q309	S-729-920-74	TRANSISTOR 2SC2412K-QR		R354	1-216-075-00	METAL GLAZE 12K 5%	1/10W
Q310	S-729-920-74	TRANSISTOR 2SC2412K-QR		R355	1-216-075-00	METAL GLAZE 12K 5%	1/10W
Q311	8-729-920-74	TRANSISTOR 2SC2412K-QR		R356	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q312	S-729-920-74	TRANSISTOR 2SC2412K-QR		R357	1-316-069-00	METAL GLAZE 6.8K 5%	1/10W
Q313	S-729-920-74	TRANSISTOR 2SC2412K-QR		R358	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
Q314	S-729-216-22	TRANSISTOR 2SA1162-G		R359	1-216-109-00	METAL GLAZE 330K 5%	1/10W
Q330	S-729-920-74	TRANSISTOR 2SC2412K-QR		R360	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q1400	S-729-920-74	TRANSISTOR 2SC2412K-QR		R361	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q1401	S-729-920-74	TRANSISTOR 2SC2412K-QR		R362	1-216-083-00	METAL GLAZE 27K 5%	1/10W
Q1402	8-729-920-74	TRANSISTOR 2SC2412K-QR		R363	1-216-117-00	METAL GLAZE 680K 5%	1/10W
Q1403	S-729-216-22	TRANSISTOR 2SA1162-G		R364	1-216-025-00	METAL GLAZE 100 5%	1/10W
<RESISTOR>				R377	1-247-688-11	CARBON 10 5%	1/4W F
R301	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R380	1-216-041-00	METAL GLAZE 470 5%	1/10W
R302	1-216-075-00	METAL GLAZE 12K 5%	1/10W	R381	1-216-033-00	METAL GLAZE 220 5%	1/10W
R303	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R382	1-216-033-00	METAL GLAZE 220 5%	1/10W
R304	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R383	1-216-033-00	METAL GLAZE 220 5%	1/10W
R305	1-216-041-00	METAL GLAZE 470 5%	1/10W	R384	1-216-033-00	METAL GLAZE 220 5%	1/10W
R306	1-216-107-00	METAL GLAZE 270K 5%	1/10W	R385	1-216-033-00	METAL GLAZE 220 5%	1/10W
R307	1-216-121-00	METAL GLAZE 1M 5%	1/10W	R386	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R308	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	R387	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
R309	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R388	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R310	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R1401	1-216-025-00	METAL GLAZE 100 5%	1/10W
R311	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1403	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R312	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1405	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R313	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1406	1-216-025-00	METAL GLAZE 100 5%	1/10W
R314	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1409	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R315	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1410	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R316	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1411	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R318	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1412	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R319	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R1413	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R320	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1414	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R321	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1415	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R322	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1416	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R323	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1417	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R324	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1418	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R325	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1419	1-216-041-00	METAL GLAZE 470 5%	1/10W
R326	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1420	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R327	1-216-065-00	METAL GLAZE 4.713 5%	1/10W	R1421	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R329	1-216-295-00	METAL GLAZE 0 5%	1/10W	R1422	1-216-011-00	METAL GLAZE 27 5%	1/10W
R330	1-216-037-00	METAL GLAZE 330 5%	1/10W	R1423	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R331	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1424	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R332	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1425	1-216-011-00	METAL GLAZE 27 5%	1/10W
R333	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1426	1-216-298-00	METAL GLAZE 2.2 5%	1/10W
R334	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1427	1-216-298-00	METAL GLAZE 2.2 5%	1/10W
R335	1-216-045-00	METAL GLAZE 680 5%	1/10W	R1428	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R336	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1429	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R337	1-216-049-00	METAL GLAZE 1K 5%	1/10W	<VARIABLE RESISTOR>			
R338	1-216-049-00	METAL GLAZE 1K 5%	1/10W	RV301	1-238-011-11	RES, ADJ, CARBON 470	
R339	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	RV302	1-238-017-11	RES, ADJ, CARBON 22K	
R340	1-216-097-00	METAL GLAZE 100K 5%	1/10W	RV303	1-238-014-11	RES, ADJ, CARBON 3.3K	
R342	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	RV1400	1-238-016-11	RES, ADJ, CARBON 10K	
R343	1-216-049-00	METAL GLAZE 1K 5%	1/10W	<SWITCH>			
R344	1-216-025-00	METAL GLAZE 100 5%	1/10W	S751	1-554-186-00	SWITCH, LEVER	
R345	1-216-075-00	METAL GLAZE 12K 5%	1/10W	<CRYSTAL>			
R346	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R347	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R348	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R349	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W				
R350	1-216-075-00	METAL GLAZE 12K 5%	1/10W				

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

KV-27TS35
RM-Y102



REF. NO.	PART NO.	DESCRIPTION	REMARK
X301	1-567-505-11	OSCILLATOR, CRYSTAL	

	*1-642-138-11	FA BOARD (CND ONLY)	

	1-533-223-11	CLIP, FUSE	
	*4-341-751-01	EYELET (EY5, EY6)	
	*4-341-752-01	EYELET (EY1~EY4)	
<CAPACITOR>			
C600	Δ 1-136-311-51	FILM 0.47MF 20% 125V	
<FUSE>			
F600	Δ 1-532-748-11	FUSE, GLASS TUBE 6.3A/125V	
<CONNECTOR>			
FA1	*1-580-844-11	PIN, CONNECTOR (POWER)	
FA2	*1-580-844-11	PIN, CONNECTOR (POWER)	
<RESISTOR>			
R600	Δ 1-202-723-91	SOLID 2.2M 10% 1/2W	

	*1-638-095-11	F BOARD	

	1-533-223-11	CLIP, FUSE (USA ONLY)	
	*4-341-751-01	EYELET (EY3~EY10, EY11(USA ONLY), EY12(USA ONLY), EY14, EY14, EY22~EY24)	
	*4-341-752-01	EYELET (EY1, EY2, EY13)	
<CAPACITOR>			
C680	Δ 1-136-311-51	FILM 0.47MF 20% 125V	
C681	Δ 1-161-741-51	CERAMIC 0.001MF 10% 400V	(USA ONLY)
C682	Δ 1-136-311-51	FILM 0.47MF 20% 125V	
C685	1-161-754-00	CERAMIC 0.001MF 10% 3KV	
<DIODE>			
D680	8-719-911-55	DIODE U05G	
D1580	8-719-911-55	DIODE U05G	
D1581	8-719-911-55	DIODE U05G	
<CONNECTOR>			
F1	*1-580-843-11	PIN, CONNECTOR (POWER)	
F3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
F4	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
F5	*1-559-991-21	CONNECTOR ASSY 1P	
F7	*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P	
F8	*1-564-506-11	PLUG, CONNECTOR 3P	
F9	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
F18	1-564-507-11	PLUG, CONNECTOR 4P	
<FUSE>			
F601	Δ 1-532-748-11	FUSE, GLASS TUBE 6.3A/125V (USA ONLY)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
(RESISTOR:			
R680	Δ 1-202-723-91	SOLID 2.2M 10% 1/2W (USA ONLY)	
R681	Δ 1-202-723-91	SOLID 2.2M 10% 1/2W	
R683	1-202-525-00	SOLID 10 10% 1/2W	
R1580	1-216-449-11	METAL OXIDE 56 5% 2W F	
R1581	1-216-450-00	METAL OXIDE 82 5% 2W F	
R1584	1-215-882-00	METAL OXIDE 22 5% 2W F	
<RELAY>			
RY680A	1 515 604 22	RELAY	
<TRANSFORMER>			
T680	Δ 1-424-220-21	TRANSFORMER, LINE FILTER	
T681	Δ 1-424-546-11	TRANSFORMER, LINE FILTER	
<THERMISTOR>			
THP601A	1-808-081-14	THERMISTOR, POSITIVE	

*A-1296-931-A		A BOARD, COMPLETE	

<CONNECTOR>			
A1	*1-564-508-11 PLUG, CONNECTOR 5P		
A3	1-573-301-11	CONNECTOR, BOARD TO BOARD	20P
A4	1-573-301-11	CONNECTOR, BOARD TO BOARD	20P
A11	*1-564-514-11 PLUG, CONNECTOR 11P		
A12	*1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P		
<CAPACITOR>			
C202	1-130-471-00	MYLAR	0.001MF 5% 50V
C203	1-126-233-11	ELECT	22MF 20% 50V
C204	1-163-117-00	CERAMIC CHIP	100PF 5% 50V
C207	1-136-163-00	FILM	0.068MF 5% 50V
C209	1-136-165-00	FILM	0.1MF 5% 50V
C210	1-164-161-11	CERAMIC CHIP	0.0022MF 10% 50v
C211	1-164-161-11	CERAMIC CHIP	0.0022MF 10% 50v
C213	1-136-161-00	FILM	0.047MF 5% 50v
C215	1-163-121-00	CERAMIC CHIP	150PF 5% 50v
C216	1-126-233-11	ELECT	22MF 20% 25V
C217	1-126-233-11	ELECT	22MF 20% 25V
C218	1-124-903-11	ELECT	1MF 20% 50V
C219	1-163-007-11	CERAMIC CHIP	680PF 10% 50V
C220	1-163-017-00	CERAMIC CHIP	0.0047MF 10% 50V
C222	1-126-233-11	ELECT	22MF 20% - 25V
C224	1-163-017-00	CERAMIC CHIP	0.0047MF 10% 50V
C225	1-124-903-11	ELECT	1MF 20% 50V
C226	1-126-101-11	ELECT	100MF 20% 16V
C233	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
C234	1-124-477-11	ELECT	47MF 20% 16V
C235	1-130-729-00	FILM	0.0027MF 5% 50V
C237	1-124-907-11	ELECT	10MF 20% 50V
C241	1-136-153-00	FILM	0.01MF 5% 50v
C242	1-136-153-00	FILM	0.01MF 5% 50v
C251	1-136-169-00	FILM	0.22MF 5% 50v

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C254	1-124-907-11	ELECT 10MF	20% 50V	JR217	1-216-295-00	METAL GLAZE 0 5%	1/10W
C274	1-124-477-11	ELECT 47MF	20% 25V	JR220	1-216-295-00	METAL GLAZE 0 5%	1/10W
C275	1-164-005-11	CERAMIC CHIP 0.47MF	25V	JR221	1-216-295-00	METAL GLAZE 0 5%	1/10W
C278	1-101-006-00	CERAMIC 0.047MF	50V	JR222	1-216-295-00	METAL GLAZE 0 5%	1/10W
C287	1-101-006-00	CERAMIC 0.047MF	50V	JR223	1-216-295-00	METAL GLAZE 0 5%	1/10W
C401	1-126-233-11	ELECT 22MF	20% 25V	JR224	1-216-295-00	METAL GLAZE 0 5%	1/10W
C402	1-124-903-11	ELECT 1MF	20% 50V	JR230	1-216-295-00	METAL GLAZE 0 5%	1/10W
C403	1-124-903-11	ELECT 1MF	20% 50V	R200	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
C404	1-124-903-11	ELECT 1MF	20% 50V	R201	1-216-085-00	METAL GLAZE 33K 5%	1/10W
C405	1-124-903-11	ELECT 1MF	20% 50V	R202	1-216-049-00	METAL GLAZE 1K 5%	1/10W
C406	1-126-233-11	ELECT 22MF	20% 25V	R204	1-216-105-00	METAL GLAZE 220K 5%	1/10W
C407	1-126-233-11	ELECT 22MF	20% 25V	R206	1-216-091-00	METAL GLAZE 56K 5%	1/10W
C410	1-126-233-11	ELECT 22MF	20% 25V	R207	1-216-099-00	METAL GLAZE 120K 5%	1/10W
C412	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R208	1-216-091-00	METAL GLAZE 56K 5%	1/10W
C413	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R209	1-216-049-00	METAL GLAZE 1K 5%	1/10W
C422	1-124-477-11	ELECT 47MF	20% 16V	R210	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
<DIODE>				R211	1-216-089-00	METAL GLAZE 47K 5%	1/10W
D401	s-719-158-39	DIODE RD10S-B		R212	1-216-085-00	METAL GLAZE 33K 5%	1/10W
D402	8-719-158-39	DIODE RD10S-B		R213	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
D403	8-719-158-39	DIODE RD10S-B		R214	1-216-095-00	METAL GLAZE 82K 5%	1/10W
D404	g-719-158-39	DIODE RD10S-B		R219	1-216-073-00	METAL GLAZE 10K 5%	1/10W
D405	8-719-158-39	DIODE RD10S-B		R220	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
D406	8-719-158-39	DIODE RD10S-B		R226	1-216-037-00	METAL GLAZE 330 5%	1/10W
D407	8-719-158-39	DIODE RD10S-B		R227	1-216-089-00	METAL GLAZE 47K 5%	1/10W
D408	8-719-158-39	DIODE RD10S-B		R228	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
D409	8-719-158-39	DIODE RD10S-B		R229	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
<IC>				R230	1-216-049-00	METAL GLAZE 1K 5%	1/10W
IC201	g-759-510-90	IC TDA8302		R231	1-216-295-00	METAL GLAZE 0 5%	1/10W
IC202	8-759-982-25	IC RC78L09A		R232	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
IC203	8-759-982-37	IC RC78M93FD		R234	1-216-049-00	METAL GLAZE 1K 5%	1/10W
MM201	8-741-637-11	IC SBX1637-11		R237	1-216-033-00	METAL GLAZE 220 5%	1/10W
<IF BLOCK>				R238	1-216-049-00	METAL GLAZE 1K 5%	1/10W
IF201	1-464-756-21	IF BLOCK (IFF-450A)		R239	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<JACK>				R249	1-216-025-00	METAL GLAZE 100 5%	1/10W
5401	1-566-846-11	CONNECTOR, (S) TERMINAL 4P		R250	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
5402	1-573-658-11	JACK BLOCK, PIN 7P		R251	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
<COIL>				R252	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
1201	1-410-792-31	INDUCTOR 0.82UH		R253	1-216-025-00	METAL GLAZE 100 5%	1/10W
<TRANSISTOR>				R255	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q201	S-729-920-74	TRANSISTOR 2SC2412K-QR		R256	1-216-083-00	METAL GLAZE 27K 5%	1/10W
Q203	8-729-920-74	TRANSISTOR 2SC2412K-QR		R257	1-216-099-00	METAL GLAZE 120K 5%	1/10W
Q209	8-729-216-22	TRANSISTOR 2SA1162-G		R258	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q401	g-729-920-74	TRANSISTOR 2SC2412K-QR		R260	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
Q406	s-729-920-74	TRANSISTOR 2SC2412K-QR		R261	1-216-073-00	METAL GLAZE 10K 5%	1/10W
<RESISTOR>				R265	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
JR201	1-216-295-00	METAL GLAZE 0 5%	1/10W	R266	1-216-049-00	METAL GLAZE 1K 5%	1/10W
JR202	1-216-295-00	METAL GLAZE 0 5%	1/10W	R267	1-216-049-00	METAL GLAZE 1K 5%	1/10W
JR207	1-216-295-00	METAL GLAZE 0 5%	1/10W	R270	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR215	1-216-295-00	METAL GLAZE 0 5%	1/10W	R271	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
JR216	1-216-295-00	METAL GLAZE 0 5%	1/10W	R272	1-216-295-00	METAL GLAZE 0 5%	1/10W
<RESISTOR>				R273	1-249-482-11	CARBON 4.7 5%	1/2W F
R201	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R290	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R202	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R291	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R204	1-216-105-00	METAL GLAZE 220K 5%	1/10W	R292	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W
R206	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R293	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R207	1-216-099-00	METAL GLAZE 120K 5%	1/10W	R294	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R208	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R295	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W
R209	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R296	1-216-295-00	METAL GLAZE 0 5%	1/10W
R210	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R401	1-216-023-00	METAL GLAZE 82 5%	1/10W
R211	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R402	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R212	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R403	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R213	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R404	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R214	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R405	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R219	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R406	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R220	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R407	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R226	1-216-037-00	METAL GLAZE 330 5%	1/10W				
R227	1-216-089-00	METAL GLAZE 47K 5%	1/10W				
R228	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R229	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W				
R230	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R231	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R232	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W				
R234	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R237	1-216-033-00	METAL GLAZE 220 5%	1/10W				
R238	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R239	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R249	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R250	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R251	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R252	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R253	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R255	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R256	1-216-083-00	METAL GLAZE 27K 5%	1/10W				
R257	1-216-099-00	METAL GLAZE 120K 5%	1/10W				
R258	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R260	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W				
R261	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R265	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W				
R266	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R267	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R270	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R271	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W				
R272	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R273	1-249-482-11	CARBON 4.7 5%	1/2W F				
R290	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W				
R291	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W				
R292	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W				
R293	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W				
R294	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W				
R295	1-216-133-00	METAL GLAZE 3.3M 5%	1/10W				
R296	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R401	1-216-023-00	METAL GLAZE 82 5%	1/10W				
R402	1-216-079-00	METAL GLAZE 18K 5%	1/10W				
R403	1-216-103-00	METAL GLAZE 180K 5%	1/10W				
R404	1-216-079-00	METAL GLAZE 18K 5%	1/10W				
R405	1-216-103-00	METAL GLAZE 180K 5%	1/10W				
R406	1-216-079-00	METAL GLAZE 18K 5%	1/10W				
R407	1-216-103-00	METAL GLAZE 180K 5%	1/10W				

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

KV-27TS35
RM-Y102

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REF. NO.	PART NO.	DESCRIPTION	REMARK	EF. NO.	PART NO.	DESCRIPTION	REMARK
R408	1-216-079-00	METAL GLAZE 18K 5%	1/10W			<COIL>	
R409	1-216-103-00	METAL GLAZE 180K 5%	1/10W	L701	-408-417-00	INDUCTOR 47UH	
R410	1-216-023-00	METAL GLAZE 82 5%	1/10W			<NEON LAMP>	
R411	1-216-023-00	METAL GLAZE 82 5%	1/10W	NL701	1-519- OS-99	LAMP, NEON ASSY	
R412	1-216-049-00	METAL GLAZE 1K 5%	1/10W			<TRANSISTOR>	
R413	1-216-097-00	METAL GLAZE 100K 5%	1/10W	Q701	8-729- 119-78	TRANSISTOR 2SC2785-HFE	
R414	1-216-049-00	METAL GLAZE 1K 5%	1/10W	8702	8-729- 326-11	TRANSISTOR 2SC2611	
R415	1-216-097-00	METAL GLAZE 100K 5%	1/10W	8703	8-729- 119-78	TRANSISTOR 2SC2785-HFE	
R416	1-216-049-00	METAL GLAZE 1K 5%	1/10W	8704	8-729- 326-11	TRANSISTOR 2SC2611	
R417	1-216-073-00	METAL GLAZE 10K 5%	1/10W	8705	8-729- 119-78	TRANSISTOR 2SC2785-HFE	
R418	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	8706	s-729-326-11	TRANSISTOR 2SC2611	
R419	1-216-295-00	METAL GLAZE 0 5%	1/10W			<RESISTOR>	
R420	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R701	1-202-838-00	SOLID 100K 10%	1/2W
R421	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R702	1-216-394-00	METAL OXIDE 2.7 5%	3W F
R422	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R703	1-202-842-11	SOLID 220K 10%	1/2W
R431	1-216-025-00	METAL GLAZE 100 5%	1/10W	R704	1-202-846-00	SOLID 470K 10%	1/2W
R432	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R705	1-202-837-00	SOLID 82K 10%	1/2W
8433	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R706	1-202-549-00	SOLID 100 10%	1/2W
R434	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R707	1-202-842-11	SOLID 220K 10%	1/2W
		<VARIABLE RESISTOR>		R708	1-202-824-00	SOLID 3.3K 10%	1/2W
RV205	1-238-015-11	RES, ADJ, CARBON 4.7K		R709	1-202-824-00	SOLID 3.3K 10%	1/2W
RV250	1-226-703-11	RES, ADJ, METAL GLAZE 10K		R710	1-202-553-00	SOLID 150 10%	1/2W
*****				R711	1-249-411-11	CARBON 330 5%	1/4W
	*A-1331-128-A	C BOARD, COMPLETE		R712	1-249-411-11	CARBON 330 5%	1/4W
		*****		R713	1-202-824-00	SOLID 3.3K 10%	1/2W
	*4-379-160-01	COVER (REAR LID), CV		R714	1-249-405-10	CARBON 100 5%	1/4W
	*4-379-167-01	COVER (MAIL), CV		R715	1-249-422-11	CARBON 2.7K 5%	1/4W
		<CONNECTOR>		R716			
C1	*1-506-371-00	PIN, CONNECTOR 2P		R718	1-249-416-11	CARBON 100 5%	1/4W
C2	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P		R719	1-249-393-11	CARBON 1K 5%	1/4W
C3	*1-564-509-11	PLUG, CONNECTOR 6P		R720	1-249-413-11	CARBON 470 5%	1/4W
		<CAPACITOR>		R722	1-215-923-00	METAL OXIDE 10K 5%	3W F
C702	1-162-116-00	CERAMIC 680PF 10%	2KV	R723	1-249-416-11	CARBON 820 5%	1/4W
C704	1-124-915-11	ELECT 10MF 20%	63V	R725	1-249-422-11	CARBON 2.7K 5%	1/4W
C705	1-164-083-11	CERAMIC 680PF 10%	50V	R726	1-249-393-11	CARBON 10 5%	1/4W
C706	1-164-083-11	CERAMIC 680PF 10%	50V	R727	1-249-417-11	CARBON 1K 5%	1/4W
C707	1-164-083-11	CERAMIC 680PF 10%	50V	R728	1-249-413-11	CARBON 470 5%	1/4W
C708	1-164-081-11	CERAMIC 470PF 10%	50V	R729	1-249-411-11	CARBON 330 5%	1/4W
C709	1-164-081-11	CERAMIC 470PF 10%	50V	R730	1-215-923-00	METAL OXIDE 10K 5%	3W F
C710	1-164-081-11	CERAMIC 470PF 10%	50V	R732	1-249-412-11	CARBON 390 5%	1/4W
C712	1-124-477-11	ELECT 47MF 20%	16V	R733	1-249-422-11	CARBON 2.7K 5%	1/4W
C721	1-161-731-81	CERAMIC 0.001MF 10%	2KV	R734	1-249-420-11	CARBON 1.8K 5%	1/4W
C722	1-162-622-11	CERAMIC 330PF 10%	6.3KV	R735	1-249-393-11	CARBON 10 5%	1/4W
		<DIODE>		R737	1-215-923-00	METAL OXIDE 10K 5%	3W F
D701	8-719-911-19	DIODE 1SS119		R738	1-202-719-00	SOLID 1M 10%	1/2W
D702	8-719-911-19	DIODE 1SS119		R739	1-202-842-11	SOLID 220K 10%	1/2W
D703	8-719-911-19	DIODE 1SS119		R740	1-202-842-11	SOLID 220K 10%	1/2W
		<JACK>				<VARIABLE RESISTOR>	
J701	1-540-071-13	SOCKET, PICTURE TUBE		V701A	1-230-619-11	RES, ADJ, METAL GLAZE 110M	
				V702	1-238-599-11	RES, ADJ, CARBON 4.7K	
				V703	1-238-598-11	RES, ADJ, CARBON 2.2K	
				V704	1-238-599-11	RES, ADJ, CARBON 4.7K	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
RV705	1-238-598-11	RES, ADJ, CARBON 2.2K		R555	1-216-675-11	METAL CHIP 10K 0.50%	1/10W
RV706	1-238-599-11	RES, ADJ, CARBON 4.7K		R556	1-216-073-00	METAL GLAZE 10K 5%	1/10W
RV707	1-238-601-11	RES, ADJ, CARBON 22K		R557	1-215-869-11	METAL OXIDE 1K 5%	1W F
RV708	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		R558	1-216-047-00	METAL GLAZE 820 5%	1/10W
*****				d559	1-216-083-00	METAL GLAZE 27K 5%	1/10W
*A-1345-953-A E BOARD, COMPLETE				R561	1-216-371-00	METAL OXIDE 1.5 5%	2W F
*****				R562	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
<CAPACITOR>				R563	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
C551	1-124-925-11	ELECT 2.2MF	20% 50V	R564	1-216-029-00	METAL GLAZE 150 5%	1/10W
C553	1-124-907-11	ELECT 10MF	20% 50V	R566	1-216-295-00	METAL GLAZE 0 5%	1/10W
C554	1-126-329-11	ELECT 470MF	10% 50V	R567	1-216-081-00	METAL GLAZE 22K 5%	1/10W
C556	1-124-925-11	ELECT 2.2MF	20% 50V	R568	1-247-700-11	CARBON 100 5%	1/4W F
C557	1-124-925-11	ELECT 2.2MF	20% 50V	R570	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
C558	1-124-922-11	ELECT 1000MF	20% 50V	R571	1-216-085-00	METAL GLAZE 33K 5%	1/10W
C575	1-124-478-11	ELECT 100MF	20% 25V	R588	1-216-089-00	METAL GLAZE 47K 5%	1/10W
C578	1-124-480-11	ELECT 470MF	20% 25V	R1517	1-215-920-11	METAL OXIDE 3.3K 5%	3W F
CI520	1-106-351-00	MYLAR 0.0022MF	10% 100V	R1520	1-216-091-00	METAL GLAZE 56K 5%	1/10W
CI522	1-124-925-11	ELECT 2.2MF	20% 50V	R1521	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
CI534	1-106-351-00	MYLAR 0.0022MF	10% 100V	R1522	1-216-097-00	METAL GLAZE 100K 5%	1/10W
CI536	1-106-383-00	MYLAR 0.047MF	10% 100V	R1523	1-216-073-00	METAL GLAZE 10K 5%	1/10W
CI538	1-124-907-11	ELECT 10MF	20% 50V	R1524	1-216-073-00	METAL GLAZE 10K 5%	1/10W
CI539	1-124-925-11	ELECT 2.2MF	20% 50V	R1525	1-216-073-00	METAL GLAZE 10K 5%	1/10W
CI540	1-106-343-00	MYLAR 0.001MF	10% 100V	R1526	1-216-073-00	METAL GLAZE 10K 5%	1/10W
CI541	1-124-927-11	ELECT 4.7MF	20% 50V	R1527	1-216-295-00	METAL GLAZE 0 5%	1/10W
CI542	1-124-927-11	ELECT 4.7MF	20% 50V	R1528	1-216-295-00	METAL GLAZE 0 5%	1/10W
CI543	1-124-925-11	ELECT 2.2MF	20% 50V	R1529	1-216-103-00	METAL GLAZE 180K 5%	1/10W
CI544	1-124-927-11	ELECT 4.7MF	20% 50V	R1530	1-216-081-00	METAL GLAZE 22K 5%	1/10W
CI545	1-124-767-00	ELECT 2.2MF	20% 50V	R1531	1-216-049-00	METAL GLAZE 1K 5%	1/10W
CI548	1-124-925-11	ELECT 2.2MF	20% 50V	R1532	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<DIODE>				R1533	1-216-033-00	METAL GLAZE 220 5%	1/10W
D551	8-719-404-46	DIODE HA110		R1534	1-216-025-00	METAL GLAZE 100 5%	1/10W
D552	8-719-110-72	DIODE RD30ES-B2		R1535	1-216-097-00	METAL GLAZE 100K 5%	1/10W
D555	8-719-911-55	DIODE U05G		R1536	1-216-097-00	METAL GLAZE 100K 5%	1/10W
D1520	8-719-109-88	DIODE RD5.6ES-B1		R1537	1-216-081-00	METAL GLAZE 22K 5%	1/10W
D1521	8-719-404-46	DIODE HA110		R1538	1-216-113-00	METAL GLAZE 470K 5%	1/10W
D1522	8-719-404-46	DIODE MA110		R1539	1-216-113-00	METAL GLAZE 470K 5%	1/10W
D1523	8-719-404-46	DIODE MA110		R1540	1-216-105-00	METAL GLAZE 220K 5%	1/10W
D1524	8-719-404-46	DIODE MA110		R1541	1-216-073-00	METAL GLAZE 10K 5%	1/10W
<CONNECTOR>				R1544	1-216-097-00	METAL GLAZE 100K 5%	1/10W
E5	1-573-301-11	CONNECTOR, BOARD TO BOARD 20P		R1545	1-216-073-00	METAL GLAZE 10K 5%	1/10W
<IC>				R1546	1-216-295-00	METAL GLAZE 0 5%	1/10W
IC551	8-759-945-58	IC RC4558P		R1547	1-216-075-00	METAL GLAZE 12K 5%	1/10W
I C552	8-759-929-62	I C LM7812CT		R1548	1-216-097-00	METAL GLAZE 100K 5%	1/10W
<TRANSISTOR>				R1549	1-216-079-00	METAL GLAZE 18K 5%	1/10W
4558	8-729-920-74	TRANSISTOR 2SC2412K-QR		R1550	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q1520	8-729-920-74	TRANSISTOR 2SC2412K-QR		R1551	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
<RESISTOR>				R1552	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R551	1-216-037-00	METAL GLAZE 330 5%	1/10W	R1553	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R552	1-216-029-00	METAL GLAZE 150 5%	1/10W	R1554	1-247-753-11	CARBON 1.2K 5%	1/2W
R553	1-216-039-00	METAL GLAZE 390 5%	1/10W	R1561	1-247-753-11	CARBON 1.2K 5%	1/2W
R554	1-216-043-00	METAL GLAZE 560 5%	1/10W	R1571	1-215-920-11	METAL OXIDE 3.3K 5%	3W F
<VARIABLE RESISTOR>				RV550	1-237-288-11	RES, ADJ, CARBON 47K	
				RV551	1-238-543-11	RES, ADJ, CARBON 470	
				RV552	1-238-550-11	RES, ADJ, CARBON 100K	
				RV553	1-237-288-11	RES, ADJ, CARBON 47K	
				RV554	1-230-494-11	RES, ADJ, CARBON 1K	
				RV555	1-238-550-11	RES, ADJ, CARBON 100K	
				RV556	1-238-550-11	RES, ADJ, CARBON 100K	
				RV562	1-230-945-11	RES, ADJ, CARBON 470K	
				RV563	1-238-076-11	RES, ADJ, CARBON 5K	

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié

The components identified by shading and mark Δ are critical for safety
Replace only with part number specified

KV-27TS35
RM-Y102

E D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
		<SWITCH>					
s551	1-554-186-00	SYTCH, LEVER		C172	1-101-006-00	CERAMIC	0.047MF 50V
		*****		C173	1-102-125-00	CERAMIC	0.0047MF 10% 50V
		*A-1346-039-A D BOARD, COMPLETE (USA ONLY)		C174	1-126-935-11	ELECT	470MF 20% 16V
		*****		C176	1-126-935-11	ELECT	470MF 20% 16V
		*A-1346-038-A D BOARD, COMPLETE (CND ONLY)		C329	1-124-631-11	ELECT	47MF 20% 16V

		*4-032-238-01 SHIELD, TRANSFORMER		c345	1-124-907-11	ELECT	10MF 20% 50V
		*4-032-240-01 SUPPORT, B		C346	1-124-903-11	ELECT	1MF 20% 50V
		*4-032-369-01 SHEET, RADIATION		C351	1-124-907-11	ELECT	10MF 20% 50V
		*4-341-751-01 EYELET (EY19, EY20, EY25-EY35, EY38-EY44, EY46, EY48-EY52, EY77, EY78, EY85-108)		C352	1-124-907-11	ELECT	10MF 20% 50V
				C353	1-124-477-11	ELECT	47MF 20% 16V
		*4-341-752-01 EYELET (EY1, EY2, EY4-EY17, EY21-EY24, EY53, EY54, EY59, EY61, EY62, EY64, EY66-EY68, EY70-EY72, EY79-EY84)		C354	1-124-477-11	ELECT	47MF 20% 16V
		*4-381-724-01 HOLDER, IC		C355	1-126-233-11	ELECT	22MF 20% 25V
		4-382-854-11 SCREY (M3X10), P, SW (+)		C356	1-126-233-11	ELECT	22MF 20% 25V
				C357	1-124-478-11	ELECT	100MF 20% 25V
		*4-393-401-01 SPRING		C358	1-124-478-11	ELECT	100MF 20% 25V
		<CAPACITOR>		C359	1-101-004-00	CERAMIC	0.01MF 50V
C101	1-124-907-11	ELECT	10MF 20% 50V	C360	1-101-004-00	CERAMIC	0.01MF 50V
C102	1-126-101-11	ELECT	100MF 20% 16V	C361	1-124-902-00	ELECT	0.47MF 20% 50V
C104	1-126-101-11	ELECT	100MF 20% 16V	C363	1-124-477-11	ELECT	47MF 20% 16V
C105	1-130-481-00	KYLAR	0.0068MF 5% 50V	C430	1-126-233-11	ELECT	22MF 20% 25V
C106	1-130-483-00	MYLAR	0.01MF 5% 50V				
				c431	1-124-907-11	ELECT	10MF 20% 50V
C107	1-124-499-11	ELECT	1MF 20% 50V	C432	1-136-167-00	FILM	0.15MF 5% 50V
C108	1-124-499-11	ELECT	1MF 20% 50V	C433	1-126-153-00	FILM	0.01MF 5% 50V
C109	1-124-499-11	ELECT	1MF 20% 50V	C434	1-136-153-00	FILM	0.01MF 5% 50V
C110	1-124-903-11	ELECT	1MF 20% 50V	C435	1-136-167-00	FILM	0.15MF 5% 50V
C111	1-164-039-11	CERAMIC	3PF 0.25PF 50V				
				C436	1-124-907-11	ELECT	10MF 20% 50V
C112	1-126-233-11	ELECT	22KF 20% 50V	C437	1-136-161-00	FILM	0.047MF 5% 50V
C113	1-164-054-11	CERAMIC	22PF 5% 50V	C438	1-124-360-00	ELECT	1000MF 20% 16V
C114	1-124-907-11	ELECT	10MF 20% 50V	C439	1-124-119-00	ELECT	330MF 20% 16V
C115	1-124-907-11	ELECT	10MF 20% 50V	C440	1-124-907-11	ELECT	10MF 20% 50V
C116	1-124-907-11	ELECT	10MF 20% 50V				
				C441	1-124-907-11	ELECT	10MF 20% 50V
C117	1-124-907-11	ELECT	10MF 20% 50V	C442	1-124-907-11	ELECT	10MF 20% 50V
C118	1-124-907-11	ELECT	10MF 20% 50V	C445	1-124-903-11	ELECT	1MF 20% 50V
C119	1-126-233-11	ELECT	22MF 20% 50V	C446	1-124-903-11	ELECT	1MF 20% 50V
C120	1-130-483-00	MYLAR	0.01MF 5% 50V	C501	1-136-173-00	FILM	0.47MF 5% 50V
C121	1-101-006-00	CERAMIC	0.047MF 50V				
				C502	1-164-081-11	CERAMIC	470PF 10% 50V
C122	1-164-066-11	CERAMIC	68PF 5% 50V	C503	1-102-244-00	CERAMIC	220PF 10% 500V
C123	1-136-161-00	FILM	0.047MF 5% 50V	C504	1-136-187-11	FILM	0.047MF 10% 250V
C124	1-102-978-00	CERAMIC	220PF 5% 50V	C505	1-162-116-00	CERAMIC	680PF 10% 2KV
C125	1-124-903-11	ELECT	1MF 20% 50V	C506	1-162-116-00	CERAMIC	680PF 10% 2KV
C126	1-124-907-11	ELECT	10MF 20% 50V				
				C507	1-106-371-00	MYLAR	0.015MF 5% 100"
C127	1-164-082-11	CERAMIC	560PF 10% 50V	C508	1-162-115-91	CERAMIC	330PF 10% 2KV
C128	1-124-477-11	ELECT	47MF 20% 16V	C509	1-123-024-21	ELECT	33MF 10% 160V
C129	1-130-479-00	MYLAR	0.0047MF 5% 50V	C510	1-106-395-00	MYLAR	0.15MF 10% 200"
C131	1-124-443-00	ELECT	100MF 20% 10V	C511	1-136-113-00	FILM	2MF 5% 200V
C133	1-126-935-11	ELECT	470MF 20% 16V				
				C512	1-124-634-11	ELECT	1MF 20% 250V
C134	1-124-360-00	ELECT	1000MF 20% 16V	C513	1-164-081-11	CERAMIC	470PF 10% 50V
C135	1-124-360-00	ELECT	1000MF 20% 16V	C514	1-102-228-00	CERAMIC	470PF 10% 500"
C136	1-164-066-11	CERAMIC	68PF 5% 50V	C515	1-137-347-11	FILM	0.022MF 3% 2KV
C137	1-164-066-11	CERAMIC	68PF 5% 50V	C516	1-136-316-51	FILM	0.056MF 5% 630V
C138	1-164-066-11	CERAMIC	68PF 5% 50V				
				C517	1-136-124-00	FILM	0.56MF 5% 400V
C139	1-164-066-11	CERAMIC	68PF 5% 50V	C518	1-162-318-11	CERAMIC	0.001MF 10% 500V
C140	1-164-066-11	CERAMIC	68PF 5% 50V	C519	1-124-046-00	ELECT	10MF 20% 160V
C141	1-164-066-11	CERAMIC	68PF 5% 50V	C520	1-102-225-00	CERAMIC	470PF 10% 500V
C142	1-124-903-11	ELECT	1MF 20% 50V	C521	1-162-117-00	CERAMIC	100PF 10% 500V
C143	1-124-360-00	ELECT	1000MF 20% 16V				
				C522	1-124-922-11	ELECT	1000MF 20% 50V
				C523	1-162-117-00	CERAMIC	100PF 10% 500V
				C524	1-124-557-11	ELECT	1000MF 20% 25V
				C525	1-123-947-00	ELECT	10MF 20% 250V
				C526	1-162-114-00	CERAMIC	0.0047MF 2KV
				C527	1-106-383-00	MYLAR	0.047MF 200"
				C528	1-106-367-00	MYLAR	0.01MF 5% 100V
				C529	1-124-607-11	ELECT	2200MF 20% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C530	1-124-122-11	ELECT	100MF 20% 50V	D5	1-573-295-11	CONNECTOR, BOARD TO BOARD 20P	
C532	1-102-030-00	CERAMIC	330PF 10% 500V	D7	1-573-297-1	1 CONNECTOR, BOARD TO BOARD 18P	
C534	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D8	*1-564-506-11	PLUG, CONNECTOR 3P	
C535	1-123-932-00	ELECT	4.7MF 20% 160V	D9	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
C536	1-124-477-11	ELECT	47MF 20% 25V	D10	1-573-297-1	1 CONNECTOR, BOARD TO BOARD 18P	
C537	1-164-085-11	CERAMIC	0.00MF 10% 50V	D15	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
C539	1-161-959-00	CERAMIC	22PF 10% 500V	D18	1-564-507-11	PLUG, CONNECTOR 4P	
C540	1-102-030-00	CERAMIC	330PF 10% 500V	D20	*1-564-513-11	PLUG, CONNECTOR 10P	
C542	1-124-046-00	ELECT	10MF 20% 160V	DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C543	1-136-157-00	FILM	0.022MF 5% 50V	DL21	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
C599	1-123-024-21	ELECT	33MF 160V				
C602	1-101-006-00	CERAMIC	0.047MF 50V				
C603	1-136-165-00	FILM	0.1MF 5% 50V				
C604	1-164-646-11	CERAMIC	2200PF 10% 500V				
C606	1-162-578-51	CERAMIC	0.0047MF 20% 400V				
C607	1-162-578-51	CERAMIC	0.0047MF 20% 400V	D101	S-719-110-78	DIODE RD33ES-B2	
C608	1-125-692711	ELECT (BLOCK)	820MF 20% 200V	D103	8-719-109-74	DIODE RD4.3ES-B1	
C609	1-164-645-11	CERAMIC	1000PF 10% 500V	D104	8-719-911-19	DIODE 1SS119	
C610	1-136-165-00	FILM	0.1MF 5% 50V	D106	8-719-911-19	DIODE 1SS119	
C611	1-164-646-11	CERAMIC	2200PF 10% 500V	D107	1-809-401-11	LED UNIT	
C612	1-130-959-00	FILM	0.047MF 10% 400V	D108	1-809-401-11	LED UNIT	
C613	1-130-959-00	FILM	0.047MF 10% 400V	D109	8-719-911-19	DIODE 1SS119	
C614	1-164-645-11	CERAMIC	1000PF 10% 500V	D110	8-719-911-19	DIODE 1SS119	
C615	1-123-024-21	ELECT	33MF 160V	D111	8-719-911-19	DIODE 1SS119	
C616	1-164-644-11	CERAMIC	330PF 10% 500V	D112	8-719-911-19	DIODE 1SS119	
C617	1-136-165-00	FILM	0.1MF 5% 50V	D113	S-719-911-19	DIODE 1SS119	
C618	1-124-119-00	ELECT	330MF 20% 16V	D114	8-719-911-19	DIODE 1SS119	
C619	1-124-557-11	ELECT	1000MF 20% 25V	D115	8-719-109-84	DIODE RD5.1ES-B1	
C620	1-124-360-00	ELECT	1000MF 20% 16V	D116	8-719-109-84	DIODE RD5.1ES-B1	
C621	1-124-557-11	ELECT	1000MF 20% 25V	D117	8-719-911-19	DIODE 1SS119	
C622	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D118	8-719-911-19	DIODE 1SS119	
C623	1-124-119-00	ELECT	330MF 20% 16V	D119	8-719-109-84	DIODE RD5.1ES-B1	
C624	1-162-577-51	CERAMIC	0.0022MF 20% 400V	D120	8-719-911-19	DIODE 1SS119	
C625	1-126-101-11	ELECT	100MF 20% 16V	D431	8-719-911-19	DIODE 1SS119	
C626	1-162-577-51	CERAMIC	0.0022MF 20% 400V	D432	8-719-911-19	DIODE 1SS119	
C627	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D433	8-719-911-19	DIODE 1SS119	
C633	1-126-101-11	ELECT	100MF 20% 16V	D434	8-719-911-19	DIODE 1SS119	
C634	1-124-478-11	ELECT	100MF 20% 25V	D504	X-719-945-80	DIODE ERC06-15S	
C635	1-126-101-11	ELECT	100MF 20% 16V	D505	8-719-945-80	DIODE ERC06-15S	
C636	1-124-907-11	ELECT	10MF 20% 50V	D506	8-719-900-26	DIODE ERD29-08J	
C639	1-126-233-11	ELECT	22MF 20% 25V	D507	s-719-302-43	DIODE EL1Z	
C650	1-124-119-00	ELECT	330MF 20% 16V	D508	s-719-971-20	DIODE ERC38-06	
				D509	8-719-979-85	DIODE EGP20G	
				D510	s-719-300-33	DIODE RU3AM	
				D511	g-719-976-64	DIODE RGP20-17	
				D512	8-719-200-02	DIODE 10E2	
				D516	8-719-911-19	DIODE 1SS119	
				D517	s-719-109-92	DIODE RD6.2ES-B1	
				D531	1-130-777-00	FILM 0.1MF 10% 100V	
				D533	1-130-777-00	FILM 0.1MF 10% 100V	
				D601	8-719-911-19	DIODE 1SS119	
				D602	8-719-510-63	DIODE D4SB60L-E	
				D603	8-719-510-48	DIODE DIN20R	
				D604	S-719-510-48	DIODE DIN20R	
				D605	8-719-510-48	DIODE DIN20R	
				D606	g-719-510-48	DIODE DIN20R	
				D607	S-719-510-64	DIODE S2LA20F	
				D608	8-719-510-64	DIODE S2LA20F	
				D609	S-719-510-64	DIODE S2LA20F	
				D610	8-719-510-64	DIODE S2LA20F	
				D611	8-719-911-19	DIODE 1SS119	
				D612	S-719-510-02	DIODE DIN54	
				D613	8-719-911-19	DIODE 1SS119	
				D614	S-719-510-02	DIODE DIN54	
				D615	S-719-510-02	DIODE DIN54	

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D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D616	8-719-510-02	DIODE D1NS4				<TRANSISTOR>	
D617	S-719-510-02	DIODE D1NS4		Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D618	S-719-510-02	DIODE D1NS4		Q103	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D619	8-719-510-02	DIODE D1NS4		Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D620	8-719-510-02	DIODE D1NS4		Q105	S-729-119-78	TRANSISTOR 2SC2785-HFE	
D621	s-719-991-18	DIODE EGP30GL-6072		Q106	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D622	S-719-510-02	DIODE D1NS4		Q107	S-729-119-76	TRANSISTOR 2SA1175-HFE	
		<FUSE>		Q108	S-729-119-78	TRANSISTOR 2SC2785-HFE	
F602	▲ 1-576-105-21	FUSE 2.5A/250V		Q109	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	1-533-223-11	CLIP, FUSE: F602		Q122	S-729-900-89	TRANSISTOR DTC144ES	
		<FERRITE BEAD>		Q344	8-729-119-7s	TRANSISTOR 2SC2785-HFE	
FB101	1-412-911-11	INDUCTOR, FERRITE BEAD		Q345	8-729-119-78	TRANSISTOR 2SC2785-HFE	
FB601	1-412-911-11	INDUCTOR, FERRITE BEAD		8346	8-729-119-78	TRANSISTOR 2SC2785-HFE	
FB602	1-412-911-11	INDUCTOR, FERRITE BEAD		Q434	S-729-119-78	TRANSISTOR 2SC2785-HFE	
FB603	1-412-911-11	INDUCTOR, FERRITE BEAD		Q435	8-729-119-78	TRANSISTOR 2SC2785-HFE	
FB604	1-412-911-11	INDUCTOR, FERRITE BEAD		Q436	S-729-119-76	TRANSISTOR 2SA1175-HFE	
FB605	1-410-396-41	FERRITE BEAD INDUCTOR		Q437	S-729-119-76	TRANSISTOR 2SA1175-HFE	
		<IC>		Q438	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC101	s-759-053-73	IC MC68HC05T7-LSC89921B		Q439	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC102	S-759-500-31	IC X24C01P		Q501	8-729-119-80	TRANSISTOR 2SC2688-LK	
IC103	s-741-100-62	IC SBX1618-51		Q502	s-729-304-50	TRANSISTOR 2SD1941-06	
IC104	8-759-987-89	IC TDA8444		Q503	S-729-141-59	TRANSISTOR 2SD1585-LK	
IC105	S-759-924-12	IC LM7805CT		Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
I C352	g-759-982-34	IC RC78M09FA		Q505	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC354	s-759-710-68	IC NJM2245S		Q601	S-729-927-22	TRANSISTOR 2SC4664MNP-F	
IC355	S-759-710-68	IC NJM2245S		Q602	8-729-927-22	TRANSISTOR 2SC4664MNP-F	
IC431	s-759-820-63	IC LA7953		Q603	s-729-920-92	TRANSISTOR 2SD2096-EF	
IC501	S-759-402-35	IC AN5521		Q604	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC601A	1-809-120-21	MODULE, POWER DM-43		Q605	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC602	S-719-156-73	PHOTO COUPLER PS2501-1LB		Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC605	s-759-929-62	IC LM7812CT		Q610	E-729-200-17	TRANSISTOR 2SA1091-0	
IC606	8-759-924-12	IC LM7805CT		Q613	8-729-931-43	TRANSISTOR 2SC4274-02F9	
IC607	8-719-156-73	PHOTO COUPLER PS2501-1LB		Q614	8-729-927-12	TRANSISTOR 2SC41155QR	
		<JACK>				<RESISTOR>	
J403	1-573-659-11	JACK FLOCK, PIN 3P		R101	1-249-405-11	CARBON 100 5% 1/4W	
		<COIL>		R102	1-249-409-11	CARBON 220 5% 1/4W	
L101	1-412-911-11	INDUCTOR, FERRITE BEAD		R103	1-249-409-11	CARBON 220 5% 1/4W	
L102	1-412-911-11	INDUCTOR, FERRITE BEAD		R104	1-249-409-11	CARBON 220 5% 1/4W	
L106	1-410-669-31	INDUCTOR 33UH		R105	1-249-429-11	CARBON 10K 5% 1/4W	
L502	1-422-613-11	COIL, AIR CORE		R106	1-249-437-11	CARBON 47K 5% 1/4W	
L503	1-459-313-00	COIL WITH CORE (HWC)		R107	1-249-409-11	CARBON 220 5% 1/4W	
L504	1-459-104-00	COIL, DUST CORE		R108	1-249-413-11	CARBON 470 5% 1/4W	
L505	1-408-239-00	INDUCTOR 4.7MMH		R109	1-249-413-11	CARBON 470 5% 1/4W	
L506	1-460-173-21	COIL, HORIZONTAL LINEARITY		R110	1-249-413-11	CARBON 470 5% 1/4W	
L507	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R111	1-249-409-11	CARBON 220 5% 1/4W	
L508	1-412-519-11	INDUCTOR 3.3UH		R112	1-249-409-11	CARBON 220 5% 1/4W	
L509	1-412-529-11	INDUCTOR 22UH		R113	1-249-417-11	CARBON 1K 5% 1/4W	
L511	1-408-698-00	INDUCTOR 8.2UH		R114	1-249-409-11	CARBON 220 5% 1/4W	
L512	1-412-045-11	INDUCTOR 2.2MMH		R116	1-215-405-00	METAL 220 1% 1/4W	
L513	1-408-300-00	INDUCTOR 6.8UH		R117	1-249-404-11	CARBON 220 5% 1/4W	
		<MODULE>		R118	1-249-409-11	CARBON 220 5% 1/4W	
PM501A	1-809-492-11	MODULE, PROTECTOR PM-23		R119	1-249-429-11	CARBON 10K 5% 1/4W	
				R120	1-249-409-11	CARBON 220 5% 1/4W	
				R121	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R122	1-249-409-11	CARBON 220 5% 1/4W	
				R123	1-249-409-11	CARBON 220 5% 1/4W	
				R124	1-249-409-11	CARBON 220 5% 1/4W	
				R125	1-249-430-11	CARBON 12K 5% 1/4W	
				R126	1-215-433-00	METAL 3.3K 1% 1/4W	



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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R127	1-215-425-00	METAL	1.5K 1% 1/4W	R194	1-249-429-11	CARBON	10K 5% 1/4W
R128	1-249-431-11	CARBON	15K 5% 1/4W	R195	1-249-429-11	CARBON	10K 5% 1/4W
R129	1-249-417-11	CARBON	1K 5% 1/4W	R196	1-249-429-11	CARBON	10K 5% 1/4W
R130	1-249-421-11	CARBON	2.2K 5% 1/4W	R197	1-249-423-11	CARBOE	3.3K 5% 1/4W
R131	1-249-429-11	CARBON	10K 5% 1/4W	R199	1-249-429-11	CARBON	10K 5% 1/4W
R132	1-249-429-11	CARBON	10K 5% 1/4W	R345	1-249-425-11	CARBON	4.7K 5% 1/4W
R133	1-249-409-11	CARBON	220 5% 1/4W	R346	1-249-436-11	CARBON	39K 5% 1/4W
R134	1-249-409-11	CARBON	220 5% 1/4W	R347	1-249-435-11	CARBON	33K 5% 1/4W
R135	1-249-409-11	CARBON	220 5% 1/4W	R348	1-249-429-11	CARBON	10K 5% 1/4W
R136	1-249-409-11	CARBON	220 5% 1/4W	R349	1-249-429-11	CARBON	10K 5% 1/4W
R137	1-249-409-11	CARBON	220 5% 1/4W	R350	1-249-429-11	CARBON	10K 5% 1/4W
R138	1-249-409-11	CARBON	220 5% 1/4W	R351	1-249-429-11	CARBON	10K 5% 1/4W
R139	1-249-409-11	CARBON	220 5% 1/4W	R352	1-249-425-11	CARBON	4.7K 5% 1/4W
R140	1-249-409-11	CARBON	220 5% 1/4W	R353	1-249-417-11	CARBON	1K 5% 1/4W
R141	1-249-409-11	CARBON	220 5% 1/4W	R354	1-249-414-11	CARBON	560 5% 1/4W
R142	1-249-409-11	CARBON	220 5% 1/4W	R355	1-249-414-11	CARBON	560 5% 1/4W
R143	1-249-409-11	CARBON	220 5% 1/4W	R356	1-249-414-11	CARBON	560 5% 1/4W
R144	1-249-409-11	CARBON	220 5% 1/4W	R357	1-249-414-11	CARBON	560 5% 1/4W
R145	1-249-421-11	CARBON	2.2K 5% 1/4W	R358	1-249-414-11	CARBON	560 5% 1/4W
R146	1-249-421-11	CARBON	2.2K 5% 1/4W	R359	1-249-414-11	CARBON	560 5% 1/4W
R147	1-249-421-11	CARBON	2.2K 5% 1/4W	R360	1-249-415-11	CARBON	680 5% 1/4W
R148	1-249-409-11	CARBON	220 5% 1/4W	R361	1-249-417-11	CARBON	1K 5% 1/4W
R149	1-249-409-11	CARBON	220 5% 1/4W	R363	1-249-405-11	CARBON	100 5% 1/4W
R150	1-249-409-11	CARBON	220 5% 1/4W	R364	1-249-429-11	CARBON	10K 5% 1/4W
R151	1-249-429-11	CARBON	10K 5% 1/4W	R365	1-249-437-11	CARBON	47K 5% 1/4W
R152	1-249-409-11	CARBON	220 5% 1/4W	R367	1-249-415-11	CARBON	680 5% 1/4W
R153	1-249-429-11	CARBON	10K 5% 1/4W	R369	1-249-405-11	CARBON	100 5% 1/4W
R154	1-249-437-11	CARBON	47K 5% 1/4W	R431	1-249-425-11	CARBON	4.7K 5% 1/4W
R155	1-249-417-11	CARBON	1K 5% 1/4W	R432	1-249-425-11	CARBON	4.7K 5% 1/4W
R156	1-249-409-11	CARBON	220 5% 1/4W	R433	1-249-425-11	CARBON	4.7K 5% 1/4W
R157	1-249-417-11	CARBON	1K 5% 1/4W	R434	1-249-426-11	CARBON	5.6K 5% 1/4W
R158	1-249-429-11	CARBON	10K 5% 1/4W	R435	1-249-426-11	CARBON	5.6K 5% 1/4W
R159	1-249-429-11	CARBON	10K 5% 1/4W	R436	1-249-426-11	CARBON	5.6K 5% 1/4W
R160	1-249-405-11	CARBON	100 5% 1/4W	R437	1-249-426-11	CARBON	5.6K 5% 1/4W
R161	1-215-923-00	METAL OXIDE	10K 5% 3W F	R438	1-249-423-11	CARBON	3.3K 5% 1/4W
R162	1-249-417-11	CARBON	1K 5% 1/4W	R439	1-249-425-11	CARBON	4.7K 5% 1/4W
R163	1-247-883-00	CARBON	150K 5% 1/4W	R440	1-249-428-11	CARBON	8.2K 5% 1/4W
R164	1-249-437-11	CARBON	47K 5% 1/4W	R441	1-249-428-11	CARBON	8.2K 5% 1/4W
R165	1-247-883-00	CARBON	150K 5% 1/4W	R442	1-249-421-11	CARBON	2.2K 5% 1/4W
R166	1-249-437-11	CARBON	47K 5% 1/4W	R443	1-249-417-11	CARBON	1K 5% 1/4W
R167	1-247-883-00	CARBON	150K 5% 1/4W	R444	1-249-423-11	CARBON	3.3K 5% 1/4W
R168	1-249-437-11	CARBON	47K 5% 1/4W	R445	1-249-429-11	CARBON	10K 5% 1/4W
R169	1-249-427-11	CARBON	6.8K 5% 1/4W	R446	1-249-429-11	CARBON	10K 5% 1/4W
R170	1-249-429-11	CARBON	10K 5% 1/4W	R447	1-249-405-11	CARBON	100 5% 1/4W
R171	1-249-435-11	CARBON	33K 5% 1/4W	R448	1-249-417-11	CARBON	1K 5% 1/4W
R172	1-215-445-00	METAL	10K 1% 1/4W	R449	1-249-405-11	CARBON	100 5% 1/4W
R173	1-215-437-00	METAL	4.7K 1% 1/4W	R450	1-249-391-11	CARBON	6.8 5% 1/4W
R174	1-249-428-11	CARBON	8.2K 5% 1/4W	R451	1-249-402-11	CARBON	56 5% 1/4W
R175	1-249-425-11	CARBON	4.7K 5% 1/4W	R452	1-249-409-11	CARBON	220 5% 1/4W
R176	1-249-440-11	CARBON	82K 5% 1/4W	R455	1-249-417-11	CARBON	1K 5% 1/4W
R177	1-215-439-00	METAL	5.6K 1% 1/4W	R456	1-249-405-11	CARBON	100 5% 1/4W
R178	1-215-437-00	METAL	4.7K 1% 1/4W	R457	1-249-405-11	CARBON	100 5% 1/4W
R179	1-249-427-11	CARBON	6.8K 5% 1/4W	R494	1-249-405-11	CARBON	100 5% 1/4W
R181	1-249-425-11	CARBON	4.7K 5% 1/4W	R497	1-249-405-11	CARBON	100 5% 1/4W
R182	1-249-409-11	CARBON	220 5% 1/4W	R501	1-249-405-11	CARBON	100 5% 1/4W
R184	1-249-429-11	CARBON	10K 5% 1/4W	R502	1-249-423-11	CARBON	3.3K 5% 1/4W
R186	1-247-903-00	CARBON	1M 5% 1/4W	R503	1-249-426-11	CARBON	5.6K 5% 1/4W F
R187	1-249-441-11	CARBON	100K 5% 1/4W	R504	1-215-918-51	METAL OXIDE	1.5K 5% 3W F
R188	1-247-903-00	CARBON	1M 5% 1/4W	R505	1-216-342-11	METAL OXIDE	0.27 5% 1W F
R189	1-249-429-11	CARBON	10K 5% 1/4W	R506	1-249-401-11	CARBON	47 5% 1/4W
R190	1-249-429-11	CARBON	10K 5% 1/4W	R507	1-249-427-11	CARBON	6.8K 5% 1/4W
R191	1-249-429-11	CARBON	10K 5% 1/4W	R508	1-249-455-11	CARBON	4.7 5% 1/4W F
R192	1-249-427-11	CARBON	6.8K 5% 1/4W	R509	1-249-423-11	CARBON	3.3K 5% 1/4W
R193	1-249-425-11	CARBON	4.7K 5% 1/4W				

The components identified by shading and mark **A** are critical for safety
Replace only with part number specified

Les composants identifiés par une trame et par une marque **A** sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié

The components identified by **A** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used

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D **V**

REF. NO. PART NO.	DESCRIPTION	REMARK	REF. NO. PART NO.	DESCRIPTION	REMARK
R510	1-215-896-00 METAL OXIDE 4.7K 5%	2W F	R649	1-249-409-11 CARBON 220 5%	1/4W
R512	1-215-861-00 METAL OXIDE 47K 5%	1W F	R650	1-247-713-11 CARBON 1K 5%	1/4W F
R513	1-249-417-11 CARBON 1K 5%	1/4W F	R651	1-249-377-11 CARBON 0.47 5%	1/4W F
R514	1-249-415-91 CARBON 680 5%	1/4W F	R652	1-249-377-11 CARBON 0.47 5%	1/4W F
R515	1-249-421-11 CARBON 2.2K 5%	1/4W	R654	1-249-377-11 CARBON 0.47 5%	1/4W F
R517	1-249-417-11 CARBON 1K 5%	1/4W	R655	1-249-377-11 CARBON 0.47 5%	1/4W F
R518	1-249-417-11 CARBON 1K 5%	1/4W	R656	1-249-377-11 CARBON 0.47 5%	1/4W F
R519	1-249-405-11 CARBON 100 5%	1/4W	R657	1-249-377-11 CARBON 0.47 5%	1/4W F
R520	1-249-389-11 CARBON 4.7 5%	1/4W F	R658	1-249-377-11 CARBON 0.47 5%	1/4W F
R521	1-249-448-11 CARBON 1.2 5x	1/4W F	R659	1-249-377-11 CARBON 0.47 5%	1/4W F
R522	1-216-375-00 METAL OXIDE 3.3 5%	2W F	<VARIABLE RESISTOR>		
R523	1-216-345-91 METAL OXIDE 0.47 5%	1W F	RV101	1-238-023-11 RES, ADJ, CARBON 470K	
R124	1-216-373-11 METAL OXIDE 2.2 5%	2W F	<SWITCH>		
R525	1-249-446-91 CARBON 1.2 5%	1/4W F	S101	1-571-532-23 SWITCH, TACTIL (POWER)	
R526	1-216-434-91 METAL OXIDE 1.5K 5%	1W F	S102	1-571-532-21 SWITCH, TACTIL	
R527	1-216-429-00 METAL OXIDE 270 5%	1W F	S103	1-571-532-21 SWITCH, TACTIL	
R529	1-249-429-11 CARBON 10K 5%	1/4W	S104	1-571-532-21 SWITCH, TACTIL	
R530	1-249-436-11 CARBON 33K 5%	1/4W	S105	1-571-532-21 SWITCH, TACTIL	
R534	1-249-435-11 CARBON 33K 5%	1/4W	S106	1-571-532-21 SWITCH, TACTIL	
R535	1-215-373-31 METAL 10 1%	1/4W	<SPARK GAP>		
R536	1-249-425-11 CARBON 4.7K 5%	1/4W	SG501	1-519-422-11 GAP, SPARK	
R538	1-202-838-00 SOLID 100K 10%	1/2W	<TRANSFORMER>		
R539	1-202-836-00 SOLID 100K 10%	1/2W	T501	1-437-195-13 TRANSFORMER, HORIZONTAL DRIVE	
R540	1-202-838-00 SOLID 100K 10%	1/2W	T502	1-424-545-21 TRANSFORMER, FERRITE (PMT)	
R541	1-202-838-00 SOLID 100K 10%	1/2W	T503	1-439-502-11 TRANSFORMER, ASSY, FLYBACK (NX-2600A3)	
R542	1-216-377-11 METAL OXIDE 4.7 5%	1/4W	T603A	1-450-270-12 TRANSFORMER, CONVERTER (CDT)	
R543	1-216-377-11 METAL OXIDE 4.7 5%	1/4W	T604	1-450-559-11 TRANSFORMER, CONVERTER (PRT)	
R544	1-249-429-11 CARBON 10K 5%	1/4W	T605	1-450-560-11 TRANSFORMER, FERRITE (SBT)	
R545	1-249-417-11 CARBON 1K 5%	1/4W	<TUNER>		
R546	1-249-417-11 CARBON 1K 5%	1/4W F	TU101A	1-465-371-11 TUNER, ET (BTP-RA401) (USA ONLY)	
R547	1-202-833-11 SOLID 18K 10%	1/2W	& 1-465-371-21 TUNER, ET (BTP-RA401) (CND ONLY)		
R548	1-216-369-00 METAL OXIDE 1 5%	2W F	<CRYSTAL>		
R603	1-215-900-11 METAL OXIDE 22K 5%	2W F	X101	1-577-082-11 VIBRATOR, CERAMIC	
R604	1-216-444-91 METAL OXIDE 82K 5%	1W F	*****		
R605	1-216-369-00 METAL OXIDE 1 5%	2W F	*A-1347-053-A V BOARD, COMPLETE		
R606	1-215-878-00 METAL OXIDE 33K 5%	1W F	*****		
R607	1-216-377-11 METAL OXIDE 4.7 5%	2W F	<CAPACITOR>		
R609	1-216-369-00 METAL OXIDE 1 5%	2W F	C1201	1-124-903-11 ELECT 1MF 20%	50V
R610	1-215-878-00 METAL OXIDE 33K 5%	1W F	C1202	1-163-117-00 CERAMIC CHIP 100PF 5%	50V
R611	1-207-645-00 WIREWOUND 0.47 1%	3W F	C1203	1-124-903-11 ELECT 1MF 20%	50V
R612	1-215-417-00 METAL 680 1%	1/4W	C1204	1-124-903-11 ELECT 1MF 20%	50V
R613	1-215-477-00 METAL 220K 1%	1/4W	C1205	1-124-927-11 ELECT 4.7MF 20%	50V
R614	1-249-441-11 CARBON 100K 5%	1/4W	C1206	1-163-117-00 CERAMIC CHIP 100PF 5%	50V
R615	1-249-429-11 CARBON 10K 5%	1/4W	C1207	1-124-927-11 ELECT 4.7MF 20%	50V
R616	1-247-895-00 CARBON 470K 5%	1/4W	C1208	1-163-117-00 CERAMIC CHIP 100PF 5%	50V
R617	1-216-377-11 METAL OXIDE 4.7 5%	2W F	C1209	1-126-101-11 ELECT 100MF 20%	16V
R619	1-249-421-11 CARBON 2.2K 5%	1/4W	C1210	1-163-037-11 CERAMIC CHIP 0.022MF 10%	25V
R620	1-247-708-11 CARBON 470 5%	1/4W F			
R621	1-249-429-11 CARBON 10K 5%	1/4W			
R622	1-247-747-11 CARBON 470 5%	1/2W F			
R623	1-249-405-11 CARBON 100 5%	1/4W F			
R626	1-249-389-11 CARBON 4.7 5%	1/4W F			
R628	1-249-423-11 CARBON 3.3K 5%	1/4W			
R629	1-249-416-11 CARBON 820 5%	1/4W			
R630	1-249-416-11 CARBON 820 5%	1/4W			
R631	1-202-730-91 SOLID 8.2K 10%	1/2W			
R632	1-215-892-11 METAL OXIDE 1K 5%	2W F			
R633	1-216-426-11 METAL OXIDE 82 5%	1W F			
R640	1-216-379-11 METAL OXIDE 6.8 5%	2W F			
R645	1-216-379-11 METAL OXIDE 6.8 5%	2W F			
R646	1-249-393-11 CARBON 10 5%	1/4W			
R647	1-249-385-11 CARBON 2.2 5%	1/4W F			
R648	1-249-393-11 CARBON 10 5%	1/4W F			

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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V

REF. NO.	PART NO.	DESCRIPTION	REMARK
R1206	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1207	1-216-027-00	METAL GLAZE 120 5%	1/10W
R1208	1-216-057-00	METAL GLAZE 2 2K 5%	1/10W
R1209	1-216-053-00	METAL GLAZE 1 5K 5%	1/10W
R1210	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1211	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1212	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R1213	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1214	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R1215	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1216	1-216-057-00	METAL GLAZE 2 2K 5%	1/10W
R1217	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1218	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1219	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1220	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1221	1-216-115-00	METAL GLAZE 560K 5%	1/10W
R1222	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1223	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1224	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1225	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1226	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1227	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1228	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1229	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1230	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1231	1-216-045-00	METAL GLAZE 680 5%	1/10W
R1232	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R1233	1-216-115-00	METAL GLAZE 560K 5%	1/10W
R1234	1-216-047-00	METAL GLAZE 820 5%	1/10W
R1235	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1236	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1237	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1238	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R1239	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1240	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1241	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1242	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1243	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1245	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1246	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1247	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1248	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1249	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R1250	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1251	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1252	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1253	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1254	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1255	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1256	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1257	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1258	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1259	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1260	1-216-043-00	METAL GLAZE 560 5%	1/10W
R1261	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1262	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1263	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1264	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1265	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1266	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1267	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R1268	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1269	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1272	1-216-033-00	METAL GLAZE 220 5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R1273	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1274	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1275	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1276	1-216-033-00	METAL GLAZE 220 5%	1/10W
R1277	1-216-025-00	METAL GLAZE 100 5%	1/10W
R1278	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1279	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1280	1-216-049-00	METAL GLAZE 1K 5%	1/10W

<CONNECTOR>

V11	*1-564-514-11	PLUG, CONNECTOR 11P
V20	*1-564-513-11	PLUG, CONNECTOR 10P

<CRYSTAL>

X1201	1-527-722-00	OSCILLATOR, CRYSTAL
X1202	1-527-722-00	OSCILLATOR, CRYSTAL

MISCELLANEOUS

8.1-426-350-11	COIL, DEMAGNETIZATION
Δ 1-451-275-31	DEFLECTION YOKE (Y28PFA)
1-452-032-00	MAGNET, DISK: 10MM ϕ
1-452-094-00	MAGNET, ROTABLE DISK: 15MM ϕ
1-544-549-11	SPEAKER

1-573-657-11	PLUG, F-PIN
Δ 1-590-492-21	CORD, POWER (WITH CONNECTOR)

V901	Δ 8-737-753-05	PICTURE TUBE (A68JMT50X)
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ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION	REMARK
4-032-388-21	MANUAL, INSTRUCTION	
4-032-388-31	MANUAL, INSTRUCTION (CND ONLY)	
4-032-388-41	MANUAL, INSTRUCTION (USA ONLY)	
*4-032-763-01	CUSHION (UPPER) (ASSY)	
*4-032-764-01	CUSHION (LOWER) (ASSY)	
*4-032-765-01	INDIVIDUAL CARTON (FOR SDP)	
*4-032-862-01	INDIVIDUAL CARTON (FOR VTM)	
*4-035-222-01	CUSHION, PICTURE TUBE	
*4-384-027-01	BAG, PROTECTION	

REMOTE COMMANDER

1-465-773-11	REMOTE COMMANDER. (RM-Y102)
9-998-985-01	COVER, BATTERY (FOR RM-Y102)

